Educational Innovations to Improve Learning Outcomes: ePortfolios

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Association of American Colleges and Universities

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Learning Outcomes that at Least Four in Five Employers Rate as Very Important

Proportions of employers rating each skill/knowledge area as very important for recent college graduates to have*



*8, 9, 10 ratings on zero-to-10 scale, 10 = very important

Employers perceive great value in students' completing <u>applied</u> <u>learning projects</u>, but see room to improve college students' preparedness to complete applied learning projects.

- 88% think that it is important for colleges to ensure that ALL students are prepared with the skills/knowledge needed to complete a significant applied learning project.
 - →BUT just 14% of employers think that most college students are prepared with the skills/knowledge needed to complete a significant applied learning project.
- 80% say that it is very important for recent graduates to demonstrate the ability to apply learning in real-world settings.
 - →BUT only 23% of employers think that recent college graduates are very well prepared to apply knowledge and skills in real-world settings.
- 60% believe that ALL college students should be expected to complete a significant applied learning project before graduating.

Most employers say they would find e-portfolios useful.

Employers: How useful do you find/would you find this in helping you evaluate job applicants'/recent college graduates' potential to succeed at your company?

College transcript

Very 9%

Very/fairly useful

Electronic portfolio of student work summarizing and demonstrating accomplishments in key skill and knowledge areas 80%



Very/fairly useful

Changing Nature of the Degree

FROM

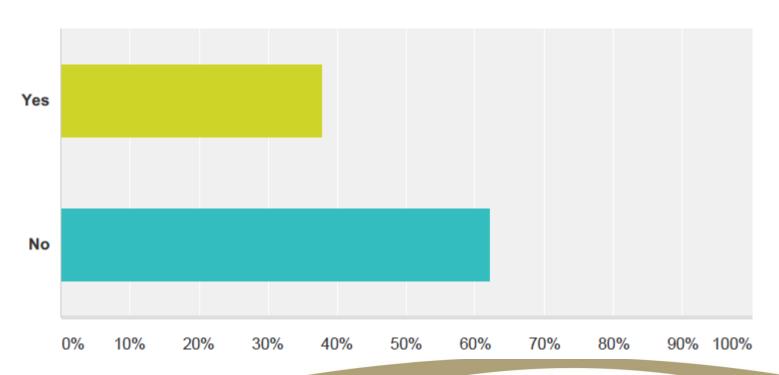
- Credits tied to seat time
- Major and GE
- Grades
- Knowledge Transmission
- Limited Access to Engaged Learning

<u>TO</u>

- Competency or proficiency
- Entire educational pathway
- Demonstrated through actual work over time
- Meaning-making, sensemaking
- High Impact Practices for all, everywhere

Q1 Have you used e-portfolios in the past?

Answered: 37 Skipped: 0





What is an ePortfolio?

- A collection of student work and student reflections on their learning, made available on the Web
- Digital format adds versatility, portability, and visibility
- A learning history, created over time



When Dr. Burg told me that I had been selected to participate

in the presentation of my portfolio, I could not believe it. The creation of my first portfolio was quite a challenge for me because I did not have much knowledge of how to use some

of the programs. Thanks to the creators of the portfolio I had

Who Is Doing ePortfolio?

- A Fast Growing Field: Over half of colleges and universities nationwide
- A Global Movement: Americas, Europe, Asia and Australia
- Many Different Approaches: different goals, strategies, styles



LaGuardia's Integrative ePortfolio

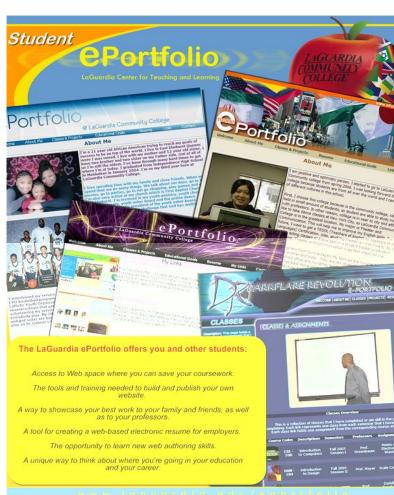
Enrich Student Learning

- Build Student Engagement
- Reflection to deepen learning
- Advance Student Outcomes

Assessment:

- Deepen faculty understanding of who students are, how they learn
- Stronger outcomes assessment, richer and more effective

eResume: Students showcase academic achievements for career & transfer



The Multi-Faceted ePortfolio

Collaboration

Student/Faculty/Class Collaborative space

Learning and Reflection

Student Controlled Learning portfolio

Showcase

Student Controlled Presentation portfolio

LaGuardia ePortfolio

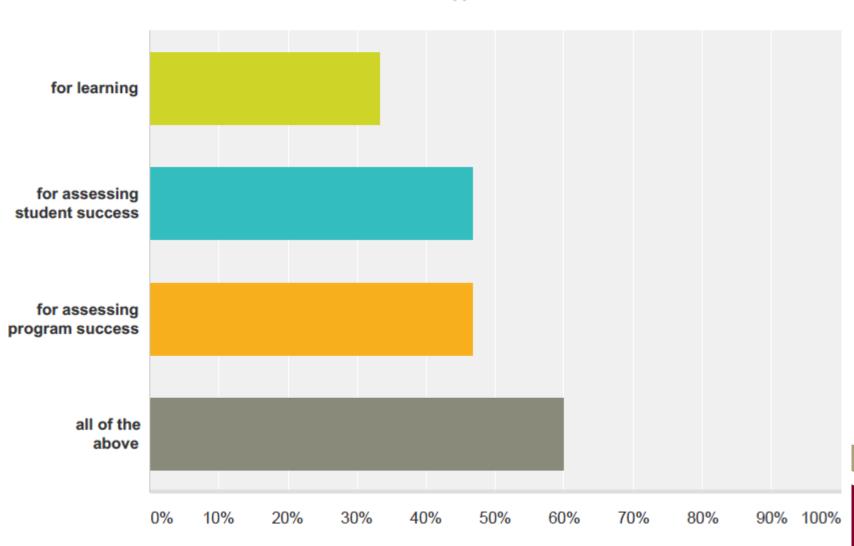




Assessment Area
Student Work deposited,
used by Faculty Teams

Q6 What purposes are you or your colleagues contemplating using e-portfolios? (Check all that apply.)

Answered: 15 Skipped: 22



Where Do Students Do ePortfolio?

- More than 175 faculty integrate ePortfolio into their classrooms
- Broad Range of Courses: ESL, New Student Seminar, History, Business, Mathematics, English, New Media, Nursing, Chemistry, Fine Arts, Human Communication, etc.
- Selected Courses attach an "ePortfolio Studio Hour:" One hour/week, in the Studio, with a special ePortfolio tutor

Becomes a Multi-Semester Record of Student Learning, Artifacts & Reflections



Contact

Links



a LaGuardia Community College
 About Me Classes & Projects Resume Educational Goals I

Classes and Projects

Name	Course Description	Semester	Professor	Assignments
ENG 101	Composition I: An Introduction to Expository Writing	Fall 2005	Dr. J. Elizabeth Clark	Click to view
ENG 103	Preparing and Writing the Research Paper	Fall 2005	Dr. J. Elizabeth Clark	Click to view
SSS 101	Introduction to	Fall 2005	Dr. Lorraine	Click to view
	Sociology		Cohen	
SSS 102	Social Movements	Fall 2005	Dr. Lorraine Cohen	Click to view
MAT 202	Calculus II	Fall 2005	Dr. Yvonne Powell	Click to view
MAT 203	Calculus III	Fall 2005	Dr. Frank Wang	Click to view
MAT 120	Elementary Statistics I	Fall 2005	Dr. Yvonne Powell	Click to view
ENG 102	Composition II: Writing Through Literature (Honors)	Spring 2006	Dr. John Silva	<u>Click to view</u>
ENG 266	Shakespeare (Honors)	Spring 2006	Dr. John Silva	Click to view
MAT 210	Linear Algebra	Spring 2006	Dr. Anthony Giangrasso	Click to view

Capstone Education ePortfolio LaGuardia Community College





Introduction > Coursework > Education Seminars > Educational Settings > Educational Philosophy Statement > Professional Development Plan > Standards

Educational Settings



I recently completed my two internships in the same school, P.S. 51 The Elias Howe School, which is located in the Clinton (Hell's Kitchen) neighborhood of Manhattan, exactly on 45th Street between 10th and 11th Avenues. The school I was interning in is dedicated to meeting the needs of the diverse and rich multicultural student population. It's a community of learners where all children are encouraged to celebrate their diversity and achieve academic and social success. The curriculum from pre-kindergarten to fifth grade is interdisciplinary with an emphasis on literacy. Since the students are all learners and subject to various learning styles, the curriculum and teaching styles of the staff are adapted to meet all modes of learning.

The school has a long-standing tradition of excellence. The continuing goal is to provide students with a rich, rigorous learning environment based on the New York State Learning Standards. The school strives to provide a learning environment that encourages children to embrace learning and to attain the skills and strengths necessary to become life-long learners.

ePortfolio

LaGuardia Community College

Welcome About Me Classes and Educational Resume Links Contact
Projects Goals Me

Educational Goals



Immediate Goals

In the Fall semester of 2009, I will be transfering to Polytechic Institute of NYU. As I finish my two remaining years, I hope to start an internship at an engineering company as well as retain my job as a research assistant in LaGuardia Youth Center for Engineering Excellence. To get the full benifit of the large University, I will try to work on a research project in my field at one of their research labs. In addition, I will try to get a position as a Teacher's Assistant to drive myself towards future success.

Doctoral Pursuits

After completing my Bachelor's degree, I will continue my studies and hopefully get my PhD in Civil Engineering with an emphasis on environmental studies. I plan on doing this through pure hard work. With my PhD, I plan on working in the Engineering field for a few years then return to the education field and start my career as a

college professor.

The image that is seen above is one that I will see many more times in the future. It is one of a blueprint for a beautiful house being approved and passed. Similarly, all of my dreams will be approved and passed by the powers that be. I will push myself to my maximum potential and achieve all my goals.

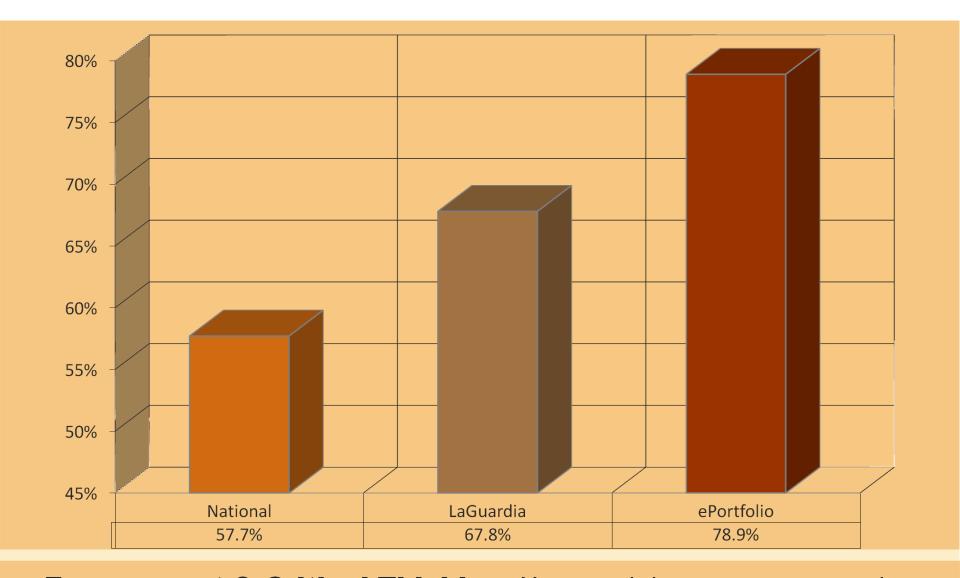
Supporting Student Success

- Sustained documentation and outcomes analysis, over a period of multiple semesters, reveals broad range of benefits:
- Increased student satisfaction, greater engagement in the learning process
- Substantially higher course pass rates
- Significant improvements in semester-tosemester retention

One-Year QCC Retention by Academy and Cohort

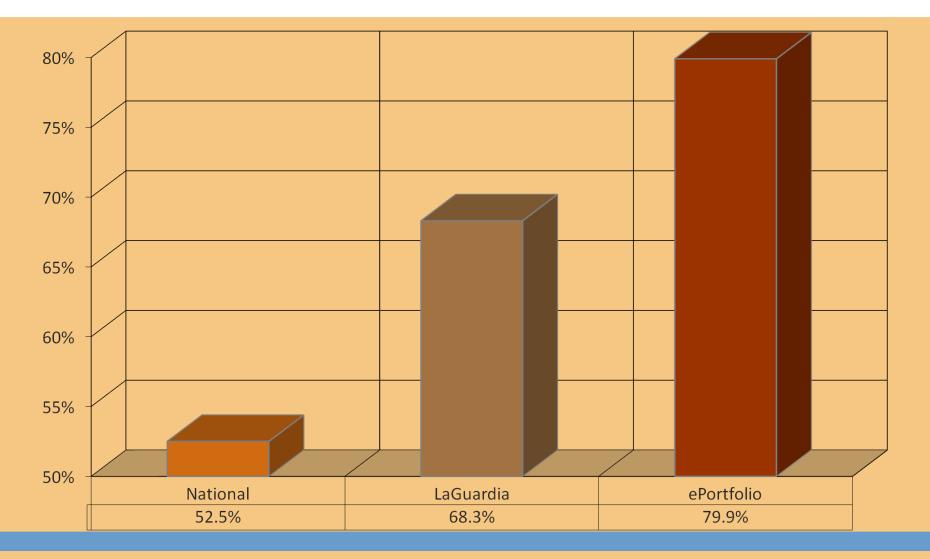
"Academy Grouping"	2006 Cohort Retention		2009 Cohort Retention	
	Enrolled	Retained	Enrolled	Retained
Business	416	69%	544	72%
Education	103	70%	149	84%
Health	315	71%	411	77%
Liberal Arts	796	66%	1358	69%
STEM	225	57%	493	69%
VAPA	173	59%	254	75%

Engagement & Critical Thinking



Engagement & Critical Thinking: How much has your coursework emphasized synthesizing & organizing ideas, information, or experiences in new ways? % of students responding Quite a Bit or Very Much. n=1,506

Engagement & Understanding



Engagement, Reflection & Self-Understanding: How much has your experience in this course contributed to your knowledge, skills and personal development in understanding yourself? *% of students responding Quite a Bit or Very Much. n=1,506*



http://www.laguardia.edu/connections
<u>FIPSE-funded National ePortfolio Programs:</u>
Connect to Learning and Making Transfer Connections

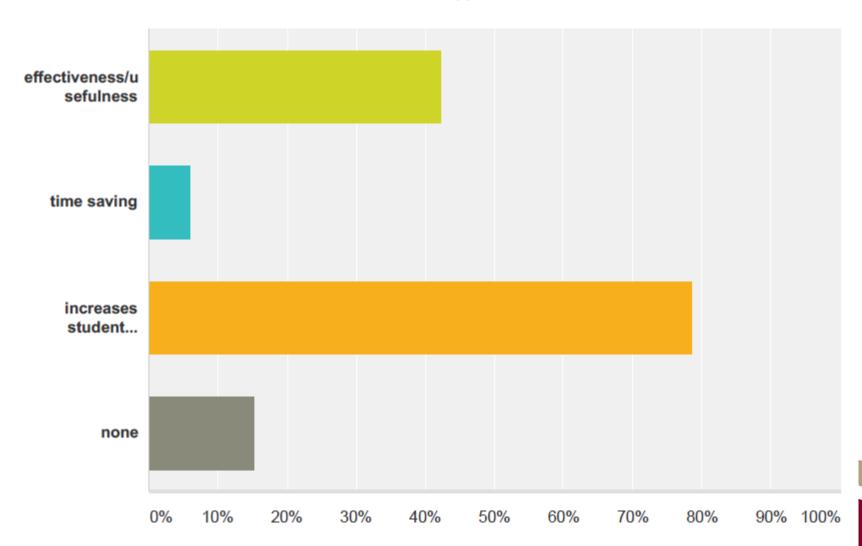
- Collaboration with over 50 campuses
- National Developmental Model of ePortfolio Practices
- Presentations, Workshops, Institutes





Q7 What are your opinions of the benefits of using e-portfolios? (check all that apply)

Answered: 33 Skipped: 4



What Difference can an ePortfolio Make?

What does it take for ePortfolio to make a difference?



What Difference?

Table 2
San Francisco State University

	Metro Academy, First	All SFSU First Year/	
	Year/First Time Students	First Time Students	
1 year Retention rate	90.0%	79.3%	
3 year Retention rate	79.0%	60.0%	
4 year Graduation rate	24.6%	14.9%	

What Difference? – Completion/Graduation

Table 1
Queensborough Community College

Percent	Intervention	
65%	Benchmark	
88%	Freshman Academy	
97.8%	FY Academies w/eP	
	65% 88%	65% Benchmark 88% Freshman Academy

Reflection in ePortfolios

- Our definition: Reflection involves connecting evidence of learning to expectations for learning to discover and describe intellectual change.
- Elements of reflection:
 - Evidence
 - Connections
 - Intellectual growth

What Difference? Reflective Practice

- Connect diverse course-based experiences & build reflective skills.
- Perortfolio-based reflections at Pace University's (2014) Media and Communication Arts graduate program begin as "lower level reflection" on specific artifacts; a reflective essay completed at semester's end elicits "higher level reflection," asking students examine their own strengths and weaknesses.
- At Rutgers University's (2014) Douglass College, advisors structure ePortfolios to help students connect academic pathways to co-curricular programs and service learning, building leadership skills.
- Boston University's (2014) College of General Studies uses ePortfolio to help students understand, focus on and document growth around key Gen Ed competencies.
- In the Nursing courses at Three Rivers Community College (2014), students use reflection to help demonstrate the ways they have met professional accreditation requirements.

What Difference?

Table 3
Student's Integrative ePortfolio Experiences

C2L Core Survey Questions	Agree or Strongly Agree (n=6,729)	
Building my ePortfolio helped me to think more deeply about the content of this course.	64.4%	
Building my ePortfolio helped me succeed as a student.	68.5%	
Someday I'd like to use my ePortfolio to show what I've learned and what I can do to others, such as potential employers or professors at another college.	73.8%	
Using ePortfolio has allowed me to be more aware of my growth and development as a learner.	69.3%	
Building my ePortfolio helped me to make connections between ideas.	75.6%	

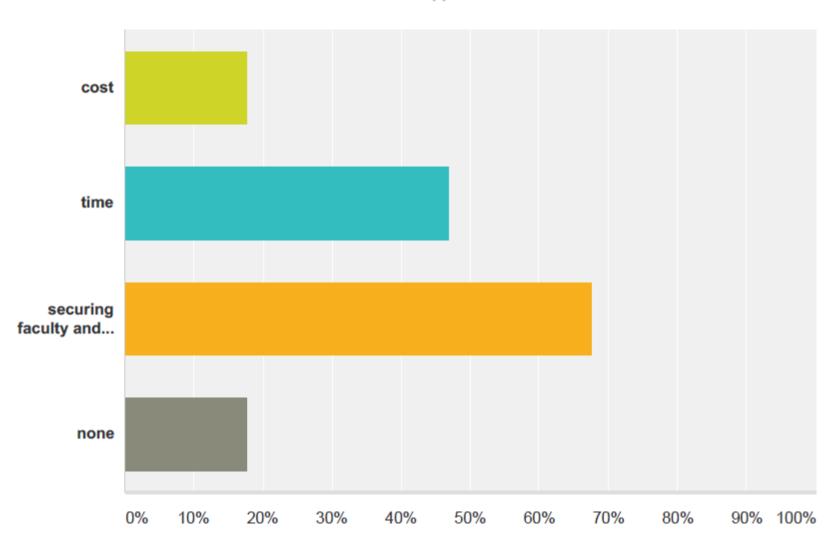
What Difference? Reflective Pedagogy

- Peer response and social interaction deepen individual work.
- A staged reflective process is used in Northeastern University's (2014) Master's level education courses, starting with social exchange and leading towards more individual reflections.
- In Boston University's (2014) capstone team project, students spend the last four weeks of the year working in groups of 5-7 to research a contemporary problem and create a presentation that describes the problem and its contexts and proposes a real-world solution. Using an ePortfolio facilitates the collaboration and shares the presentations for review by the class.
- For example, the University of Delaware (2014) has students create a "defense of mastery" presentation-style ePortfolio for review by external viewers, creating a high stakes setting that replicates a position interview process.

- The formation of students into an expert-like knowledge community of practice engages students with their learning
- In Pace University's (2014) microbiology course, students spend eight weeks developing expertise on a species of bacteria, which they present as a resource to other courses using ePortfolio.
- In IUPUI's (2014) art history capstone course, students engage in an extensive peer review process of each other's portfolios and reflect on what they saw and learned...and that research is a way of thinking rather than a page and word limit.
- Portland State senior capstone interdisciplinary expertise to a common task.

Q8 What are your opinions of the challenges of using e-portfolios?

Answered: 34 Skipped: 3



Professional Development

Faculty observed that they gained new insights into the way students interpreted and completed assignments. They also reported being able to more comprehensively gauge students' knowledge acquisition based upon reading students' reflections in addition to reviewing the students' work and adjusted their curricula accordingly. -U of Delaware

ePortfolios Many Uses

elcome to my portfolio!

entered into my freshman year unsure and scared of the experience I would encounter in this unfamiliar territory. I soon began to alize that the most important experiences I was gaining while being at college were not taking place in the classroom, but were most everywhere else.

vas participating in extracurricular activities that required a new level of maturity and responsibility that had never been required of e in the past. I asked in many ways to prove myself and once again show I was a leader. The skills I have gained by attempting to ove myself in and out of the classroom are proficiencies that I know I will carry with me far beyond my freshman year.

is portfolio is a collection of many different pieces of work that I found particularly rewarding while being a freshman at the University Michigan. I hope visiting my portfolio gives you a better understanding of who I am as a person. Thank you for visiting and please el free to explore every aspect of the portfolio.



ncerely,

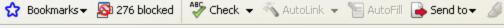




























shman Experience



Trenten Rocha

A Michigan Student's Freshman Experience

Welcome

Philosophy Statement

Goals

Work Showcase

Resume

The Dream...The Reason...The Plan...

My passion or business and My ultimate dream is to become the CEO of the Disney Corporation. I am a firm believer in family values and the importance of togetherness. I admire Disney and its penchant for core values, which they have continued to foster since the very beginning; they aim to entertain their audience, while at the same time maximizing profit through a very family friendly medium whose values build character. I look at our society and question the direction that many of my peers have decided to take, and believe I could help change this.

Academic Goals

- To leave my undergraduate studies with the ability to fluently speak Spanish: it would be an asset to have in the current international business economy.
- To fully understand the subject of accounting: the processes of how it is done and a strong understanding of its future in our society.



"We keep moving forward, opening new doors, and doing new things, because we're curious and curiosity keeps leading us down new paths." Walt Disney

Personal Goals

- To learn how to play the saxophone: I have always believed music helps evoke knowledge and by becoming more musical it could possibly add elements to other areas of my life.
- . To become more involved in my fraternity, Phi Gamma Delta: By taking on leadership roles within the fraternity I am gaining unprecedented friendships and able to network with my peers.



Help





























Trenten Rocha

A Michigan Student's Freshman Experience

Welcome

Philosophy Statement

Goals

Work Showcase

Resume

Self-Assessment

Bridging the Gap

Group and Team Work

Phi Gamma Delta

Research

Undergraduate Research Opportunity Program

Professional Development

> The Passion Reassured: Business

Other

The Effects of a Freshman Writing Requirement

The Transition: High School to Summer Bridge

Sizing Up My Options



The summer before my freshman year of college, I was placed into a program that was designed to help high school seniors "bridge" the gap between twelfth grade and their freshman year at the University of Michigan. During the program, I learned more than just math and English over the month and a half I was on the campus. I met people who became my friends, people who made up every aspect of the racial spectrum, and worked with members of staff that I will always admire. Initially, I looked at the "Bridge" program as a negative experience, but after having completed it, I understand it was one of the best programs that could have prepared me for my years ahead at Michigan. In the program I was exposed to the same stresses of homework and personal conflicts that I would face in the coming months, but by then I had already been given the proper support group to help solve my problems.

Why It Mattered

The program demonstrated to me the depth of participation and academic excellence the program was going to demand from me, in order for me to be among the most productive scholars at Michigan. I was forced to choose between sleep, fun, and superficial happiness, in order earn the grades I knew I could achieve at the University of Michigan. I came to the university ready to prove myself, and knew that some of my classmates ranked among the world's best. I knew I was going to have to work much harder than many of them to achieve the same success. Going to summer term and being a part of "Bridge," provided me the opportunity to build the skills I would need in the future, in an environment with far less distractions than an



text | no gfx | gfx

PORTLAND STATE UNIVERSITY **PORTFOLIO**



The Portfolio & Portfolio Tour & Portfolio FAQ & Portfolio Info & Discussion Boards



Our website for self-evaluation, reflection, and planning



Tours of specific topics for faculty, students and community members.



Frequently Asked Questions about PSU's Portfolio



About The Portfolio Project, documentation, source code, etc.

President's Vision

"My vision is of a university so thoroughly engaged with its community... that people throughout the region refer to it as 'our university'."

... view the President's Page

Portland State University President, Daniel O. Bernstine

Accreditation Self-Study

Portland State's institutional portfolio will serve as the self-study document for its reaffirmation of accreditation in 2005.

...read more

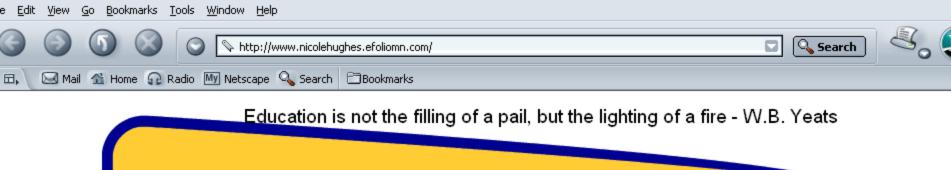


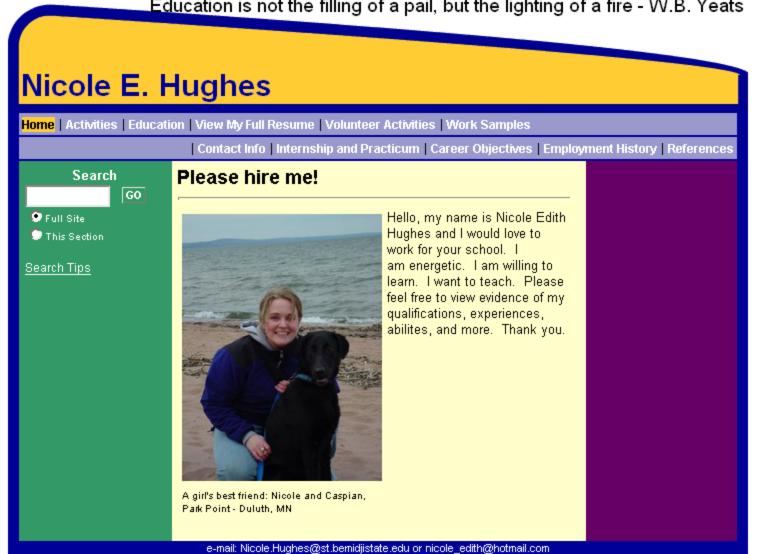
PORTLAND STATE UNIVERSITY

Maintained by: i-portfolio@pdx.edu Last Updated: April 14, 2006

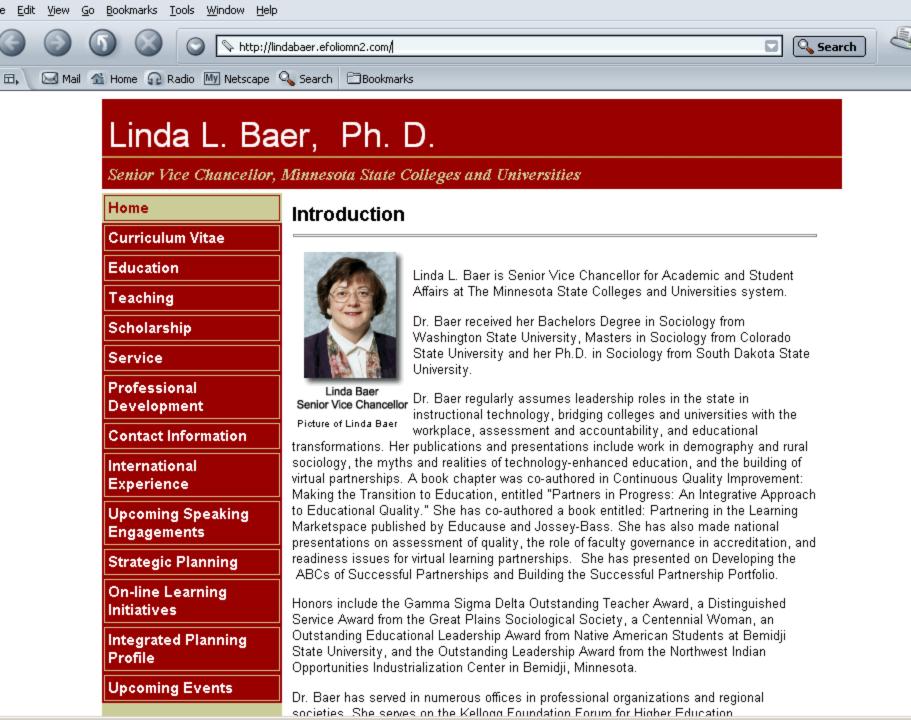
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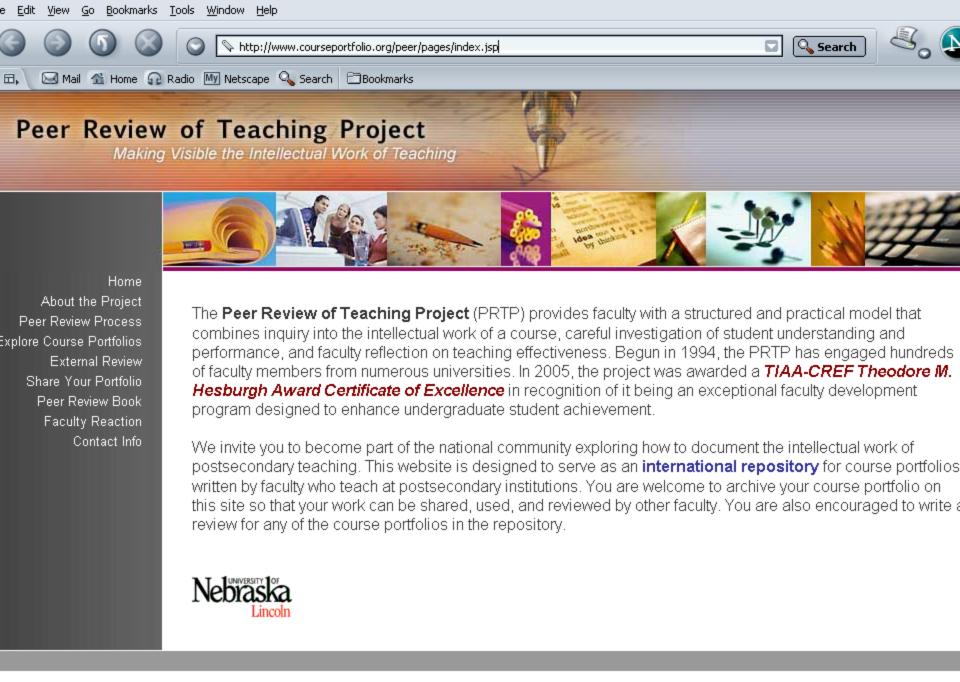


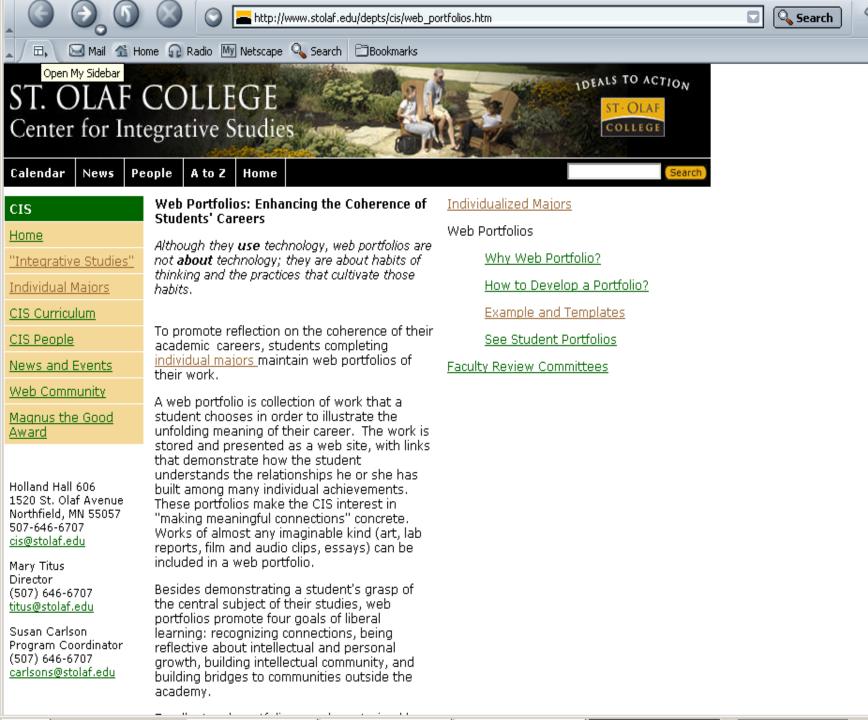




Home | Activities | Education | View My Full Resume | Volunteer Activities | Work Samples | Contact Info | Internship and Practicum | Career Objectives









FLORIDA STATE UNIVERSITY

Career Portfolio

<u>Visit the live</u> Career Portfolio

Portfolio Launch Photo Gallery

For access or more information on the Career Portfolio, please contact:

Jill Lumsden at the

FSU Career Center





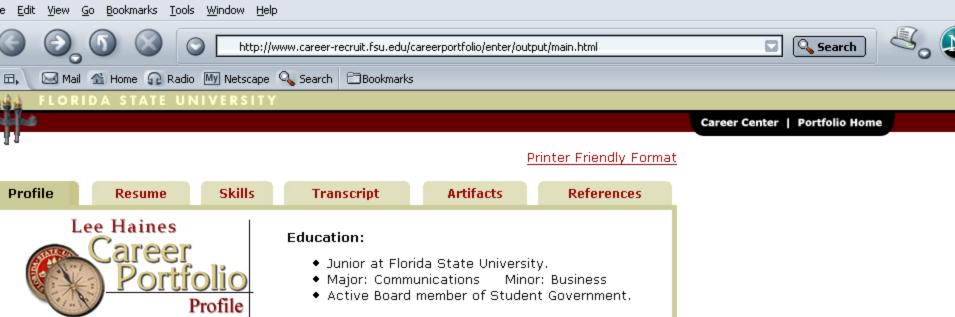
The <u>FSU Career Portfolio</u> prepares students for the world of work through planning, reflection, skill development, and portfolio documentation.

Welcome! This web site provides information on the continuous progress and development of the FSU Career Portfolio at Florida State University.

• Career Portfolio Walk-through Presentations

Take a tour of the Career Portfolio as used by FSU Students & Alumni.

- <u>Career Portfolio Evaluation</u> (opens new window)
 View The FSU Online Career Portfolio Program: An Evaluation Report which documents the 7 year development and evaluation of the program.
- <u>Career Portfolio Contest Winners</u>
 View the contest winners, judges and sponsors.
- Career Portfolio Slideshow (opens new window)
 Explore a slideshow on the Career Portfolio, or view a PowerPoint version.
- Conference Presentations
 - Obtain PowerPoint slideshows and handouts.
- Portfolio Bibliography
 View a bibliography of portfolio books, articles, web sites and related information.
- <u>Sample Career Portfolio</u> (opens new window)
 See a fictitious student's sample FSU Career Portfolio.
- Prototype Career Portfolio (opens new window)
 Explore an initial prototype of the FSU Career Portfolio.
- <u>Supporting Documents</u>
 View documents related to the development of the FSU Career Portfolio.



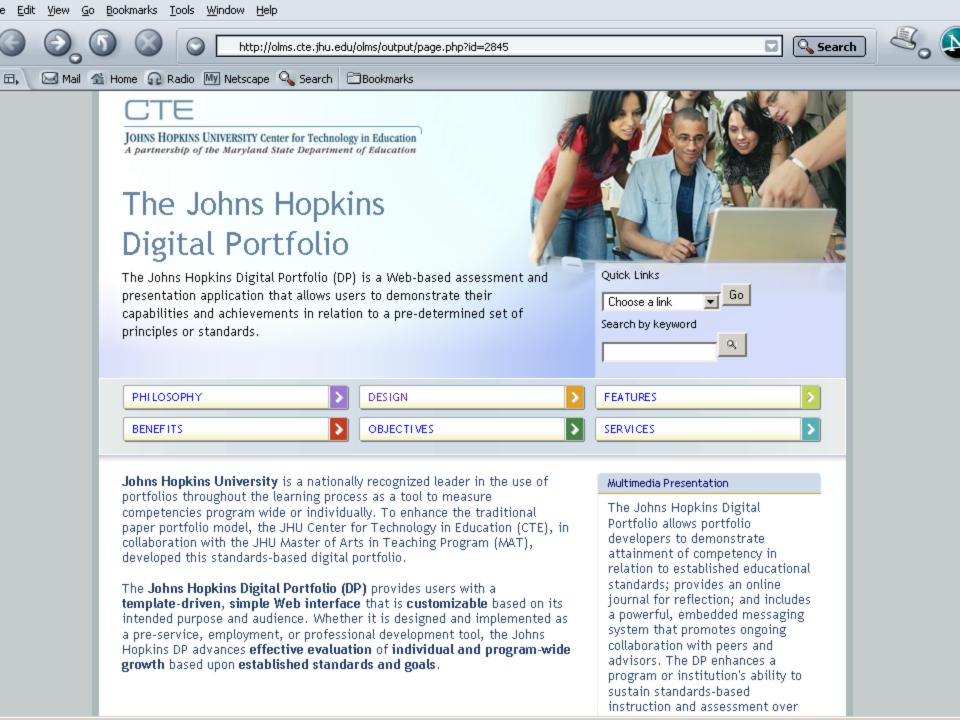
Goals:

- · Work for a marketing or public relations firm.
- Expand my technical and business-related abilities.

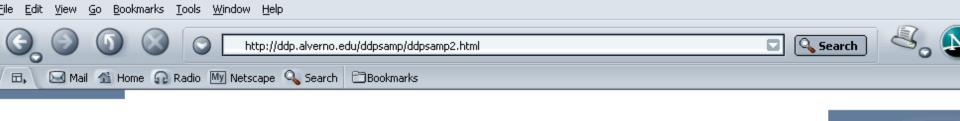
Oualifications:

- · Creative, hardworking and highly-motivated.
- Computer skills Microsoft Office and Adobe Photoshop.
- Bilingual in Spanish and English.









Slide Show - Student Screen My Portfolio

This view shows course prefix and number of Key Performances that have been stored in the portfolio. A Key

Performance is any assignment, assessment or internship activity that is selected by the faculty or student to include in their portfolio.

DDP Home

Enter DDP

Enter Demo

FAQs

History

Slide Show

Logging on to DDP

t Updated:7/15/05

stions/Comments?

ail us!

The portfolio is designed to require that feedback, instructor, external assessor and peer, as well as the student's self
assessment associated with each key performance be completed and stored in the portfolio before it will be listed in
the matrix above. The student's work may or may not be included.

14 - W - 14 B - 1 - 1 - 1 - 1 - 1 - 1 - 1				
My Portfolio > Matrix View	0	Abilian Ma	and a	
	Level 1	Level 2		Level 4
Communication	AC 101 CPA - R, W, S, L, Q, C	CM 110 1 Book Review - R, W CM 110 1 test - W CM 111 all sections - W	AH 150 1 abilities assessment - ICM CS 200 3 3 project - ICM CS 270 1 4 final project - ICM ED 210 - ICM LA 221 abilities assessment - ICM LA 282 - ICM, Q	CMT 300 1 project - ICM, TEN 330 Reading History ICM
Analysis	AC 110 1st WEC Ext. LA 221 LA 282	AC 110 1st WEC Ext. CM 110 1 Book Review LA 221 LA 221 abilities assessment LA 282	AC 110 1st WEC Ext. AH 150 1 shifties assessment ED 201 sp2002 LA 221 LA 221 shifties assessment LA 282	CS 270.1.4 final project ED 201 sp2002 EN 330 Reading History LA 282
Problem Solving	AC 110 1st WEC Ext. SC 119 1	AC 110 1st WEC Ext.		CS 270 1 4 final project
Valuing	AC 110 1st WEC Ext. LA 221	AC 110 1st WEC Ext. AH 150 1 abilities assessment LA 221 LA 221 abilities assessment	A 389 99 9 LA 282	
	Communication Analysis Problem Solving	Completed Key Perfor	Completed Key Performances for Abilities Me	Level 1 Level 2 Level 3

and contains many ner features as described i "What's new in the DDF document!

customizable version o the origi<u>nal DDP (1999</u>

Did you know?

When you are
logged on to
Version 2.5, the
Help menu is
customized for th
screen? Just click
the Help Button
from within the
DDP!





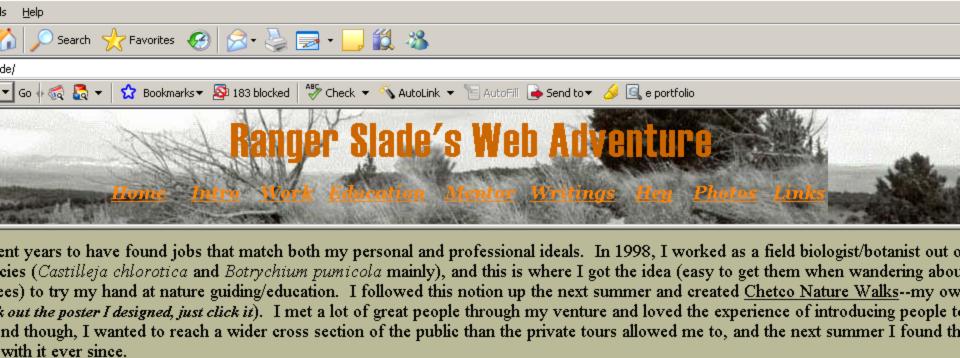


Work

Click to see my most up to date RESUME.



ince high school, I have been fortunate to find myself working outdoors every summer. While field work, especially science related, so day, the interim between high school and college found me working at a variety of job descriptions. My first seasonal job was for the a forest fire lookout in the western Siskiyou Mountains of SW Oregon. I was seventeen and for the first time in my life was thrust right.



al, park ranger for Redwood National and State Parks since 2000. There are so many things about this job that I love, it would be too them. Highlights over the years include all the great people: the everyday visitors, my Junior Rangers, and my Redwood family 2001, I have had the joy of leading kayak trips down the Smith River and on the Klamath River estuary. These trips are all day ectacular and complex natural histories of these places. The summer of 2002 found myself, ranger Jennifer Natoli, and ranger Sam Jule Park's display for the Del Norte County Fair in Crescent City, CA. Below are some pictures of the display that we put together (cl







our display was "Rocking and Rolling in the Redwoods". I built the funky model of the subduction zone (left) and Jen Natoli pretty much designed all wall surrounding the subduction zone (center). The display on the back wall (right) was about the 1964 tsunami that struck Crescent City; large phot

The Time is Right ...

- ♦ Assessment practices and Success are changing to include...
 - Qualitative not just quantitative
 - Formative not just summative
 - Performance over time not just one course, one test
 - Sophisticated skills and responsibilities not just knowledge
 - Problems with multiple solutions not just "right" answers