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Web Programming and Design
Dept. of Media Arts

Statement of Interest

Academic Interests

General design theory, social theory, and critical theory as they apply to the manifestation of form and structure. Methods through which to rethink current trends in global development and progress toward greater sustainability and global equity. The misattribution of utopian agency to new technologies and the nature of utopia in general.

Long Term Goals

Addressing issues of design, especially as they pertain to globalization, internationalization, universal access, sustainability and development. Coming to a better understanding of non-Western perspectives these issues.

Skillsets

Academic foci

Web development: standards, accessibility, internationalization, open source technologies, information architectures, e-commerce trends;

General: design theory, philosophy of technology, technology and society, technology and environment, technology policy, environmental policy, globalization

Current skill acquisition targets

Integrated Web development with AJAX, RSS, and podcasting. Learning Japanese.

Computing skills

Windows and Macintosh platforms; Photoshop, Illustrator, Fireworks; XHTML, CSS, JavaScript, PHP, XML; Blackboard, eCollege

Soft skills

graphic design, Web design, information architecture, information design, technical writing, Web project management, team leadership, public speaking and presentation, curriculum development, asynchronous curriculum development

Occasional use

Unix/Linux platforms; Flash, Freehand, Dreamweaver; MySQL, XSL, XSD

Ancient history

COBOL II, IDMS ADS/O, MVS/JCL, TSO, SGML, AutoCAD, Sunrise;

Academic

Ph.D

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Rensselaer Polytechnic Institute,

Troy, New York 12180

Ph.D. — Science and Technology Studies

Not completed due to the unfortunate passing of my advisor.

Focus in technology theory and policy in relation to sustainability and development. Primary research interest: the manifestation of social ideas about technology, movement and place in the built environment.

Masters

1997

Rensselaer Polytechnic Institute,

Troy, New York 12180

M.S. — Science and Technology Studies

Focus in technology theory and policy in relation to sustainability and development. Primary research interest: the manifestation of social ideas about technology, movement and place in the built environment.

Bachelors

1992

State University of New York at Albany,

Albany, New York 12222

Bard College,

Annandale-on-Hudson, New York 12504

B.A. — Psychology

Focus in general psychology.

Publications, Papers and Conferences

2005-Curr: Choice Magazine reviewer

- Burgess, Colin. *Animals in space: from research rockets to the space shuttle*. (Aug 2007)
- Witten, Ian H. *Web dragons: inside the myths of search engine technology*. (Jun 2007)
- Goldsmith, Jack. *Who controls the Internet?: illusions of a borderless world*. (Jan 2007)
- Dusek, Val. *Philosophy of technology: an introduction*. (Nov 2006)
- Buckland, Michael. *Emanuel Goldberg and his knowledge machine: information, invention, and political forces*. (Sep 2006)
- Kleinman, Daniel Lee. *Science and technology in society: from biotechnology to the Internet*. (Jun 2006)

Pre-publication Reviews for the following publishers:

- Wiley (2004)
- Prentice Hall (2006)

2006: Desert Code User's Conference, Phoenix

XHTML: Coding to the New Standards

2006: Course Technologies Conference for Information Technology Educators

Web Design is a Discipline

1998: Mephistos Conference

Technologies of Power / Technologies of Transcendence

Professional Experience

Associate Professor: Web Programming and Design

Aug 06 to Curr.

Department of Media Arts/SWE

University of Advancing Technology, 2625 West Baseline Road, Tempe, AZ 85283

Foci

Web development and design, graphic arts, technology and society.

Positions Held:

- Associate Professor (Fall 2006 to Summer 2007)
- Adjunct Professor (Fall 2007 to Current)
- Portfolio Seminar Redesign Committee

Courses Taught

- Undergraduate
 - **Beginning Web Design (CIS 100)**
 - XHTML (CIS 104 – now CIS 100)
 - **Introduction to PHP (CIS 313)**
 - Internet Development Tools: Dreamweaver I (MTM 214)
 - Two Dimensional Computer Graphics (MTM 101 – Photoshop & Illustrator)
 - **Multimedia Theory (MTM 371)**
- Graduate
 - Forecasting Emergent Technologies (MSC 545)
 - **Philosophy of Technology (MSE 543)**
 - **Contemporary Issues in Technology (MSE 554)**

All courses taught in a hybrid modality using eCollege. Courses noted in **green** are those which I was responsible for developing.

Assistant Professor: Web Programming and Design

Aug 99 to Dec 06

Department of Computer Information Systems

Hudson Valley Community College, 80 Vandenburg Avenue, Troy, New York 12180

Web Site

<http://www.daaq.net/old/> ⇔ Includes content for most of the courses I developed.

Focus

Web development and design. Strict adherence to standards and best practices with a focus on WAI and Section 508 compliance, universal design, W3C Guidelines, usability, information architectures, and project management skills. Coverage of both client-side and server-side programming with a strong emphasis on hand coding. Expanding emphasis on XML-based network applications.

Positions Held:

- Assistant Professor
(tenured: August 2004, Instructor [8/00 - 8/04], Adjunct Instructor [8/99 - 8/00])
- Instructional Resource Committee (2003-2006 term)
- CIS Faculty Search Committee (2003, 2004)

Courses Taught

- Fundamentals of Information Processing (CISS 100)
- Microcomputer Application Development (CISS 101 – Excel & Access)
- **Web Site Development and Design (CISS 220) [DL]**
- **Advanced Web Site Development and Design (CISS 221) [DL]**
- **Web Programming with PHP (CISS 225)**
- **XML Programming for the Internet (CISS 227)**
- Personal Computer Concepts and Applications (CMPT 101 – Windows & Word)
- Excel (CMPT 115)
- Web Page Design and Management (CMPT 118 – Dreamweaver)
- **Macromedia Flash Development (CMPT 119)**
- **XML User Training (Workforce Development)**

[DL] some sections taught in a distant learning modality through Blackboard. Courses noted in **green** are those which I was responsible for developing.

Reviewer: Choice Magazine **2005 to Curr.**
Choice: Current Reviews for Academic Libraries
100 Riverview Center, Middletown, CT 06457

Reviewer: Choice Magazine
Provide reviews of new publications for use by libraries to plan purchases. Normally review one title a month. Primary field: history and philosophy of science and technology (Science and Technology Studies).

ESL Instructor: Japan **Aug 04 to Aug 05**
Ashiya-machi Kyoikuinkai-sama (Ashiya-machi Board of Education)
Fukuoka-ken, Onga-gun, Ashiya-machi, Nakanohama 11-6, Japan 807-0113

2004/2005 JET Participant (Japan Exchange and Teaching Program)
Develop lesson plans, activities and resources (unassisted). Teach English language lessons to elementary school students (grades 1-5). Responsible for roughly 1000 students across three schools on a full-time basis. Occasional work with 6th graders and junior high classes.

Technical Consultant **Sep 98 to May 99**
Eliassen Group, Inc.
30 Audubon Road, Wakefield, MA 01880

(Boston Edison)
JCL, IDMS ADS/O maintenance, legacy inventory / purchasing control system.
IDMS COBOL based conversion to NT database package.

Technical Consultant **Sep 97 to Jul 98**
Genesys Consulting Services, Inc.,
11 Computer Drive West, Albany, New York 12205

(General Electric: Plastics Division)
JCL/COBOL maintenance on a legacy accounting system
(MetLife)
Application Recovery analysis/implementation with Sunrise. Mainframe applications analysis.
Documentation database management.

Research Assistant **Aug 96 to Dec 96**
Museum of History and Industry,
2700 24th Avenue East, Seattle, Washington 98112

Research/exhibit development on the nature of invention and technology at the beginning of the 20th century in relation to the mechanization of salmon canning in the Pacific.

Technical Consultant **Aug 96 to Dec 96**
BDM Technologies,
10900 NE 4th Street, Suite 810, Bellevue, Washington 98004

(Holland America Cruise Lines - part-time)
Conversion to new booking interface for nationwide system with IDMS ADS/O.

Programmer/Analyst **May 92 to Aug 96**
New York State Department of Taxation and Finance,
W.A. Harriman Campus, Bldg. 8, Albany, New York 12227-0001

Full life cycle maintenance, database applications, ongoing system conversion in IDMS MVS/JCL for Taxpayer Indicative Data unit of NYS DTF. COBOL II and ADS/O programming. New employee training in TSO. Disaster recovery documentation of unit responsibilities.

Interests & Activities

Professional Memberships

- Society for the History of Technology (SHOT)
- Society for Social Studies of Science (4S)

Personal Interests

- Community Theatre
Active participant with sporadic (and highly suspect) acting, costume design, set design and construction. I design and build sets for an average of 2 shows a year.
 - Japanese history and culture
 - Environmental and eco-friendly design
 - History of architecture and urban form
 - Utopian theory
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This Document

This document can be found at
[http://www.daaq.net/business/a_resume.php]
and
[http://www.daaq.net/business/a_resume.pdf].
