DIANE J. BOWSER
CURRICULUM VITA

AOS: SOCIAL & POLITICAL PHILOSOPHY
AOC: COMPUTING ETHICS & THE PHENOMENOLOGY OF TECHNOLOGY

TECHNOLOGY DESIGN/DEVELOPMENT:

A full description of current research interests and projects can be found online at
http://www.thinkingshop.com/academic/research/

Augmented & Virtual Reality @ CodeReal LLC (present): In 2018, I partnered to create a tech design/development practice, , LLC. Our company partners with academic institutions, educators and a wide variety of businesses to create immersive augmented and virtual reality simulations. We write grants and seek funding for white label technologies that can be open-source and used as a teaching/training platforms. The core focus is to leverage 3D applications in order to help businesses and educational institutions take advantage of new design, problem-solving and 3D environment tools to modify products and workflow practices.

Senior/Lead User Experience software designer/developer (2014-2018): - *10 startups challenge:* In 2014 I left academia to work as a user-experience designer in the filed of human-computer interaction (HCI). HCI allowed me to combine my research in phenomenology with software design and development. It is in this field that I partner with non-teaching academics to build new technologies. The 10 startups challenge was a plan I executed to consult with 10 startups in a 15-year window to create technologies and tools for education and engineering. In year 4 of the challenge, I became a startup founder as noted above. From 2014-2019 I've consulted with three startups:

- *RedMorph LLC (2014-2015)* – a company devoted to producing low-cost education and privacy protection tools. At RedMorph I led a team that designed a tool to prevent ad and browser tracking while also providing child protection parameters on standard browsers. We developed a Chrome and Safari extension during my time there.
- *SSG, LLC (2015-2016):* SSG had a line of mobile software product ideas that needed "proof of concept" (POC) designs and development. In a CPO role, I managed a global team of designers and developers to bring one proof of concept product, an app to find a lost pet using crowd-sourced AI, to market. The product flourished, but the funding did not and thus ended the venture.
- *OpenArc & Parker Hannifin's Virtual Engineer (2016-2018):* In this role I led the user experience design efforts to create a 3D engineering tool that works in a web-based environment to allow machine design in real-time. As part of this project we created three distinct pieces of software:
  1. *Virtual Engineer:* design electromechanical or pneumatic machine applications with compatible parts in real-time using 3D physics engine simulations
  2. *Factory-In a Box:* A VR application immersing engineers in a cupcake factory showcasing Parker-Hannafin technologies and a Virtual Exhibit Hall containing electromechanical actuators, motors, drives and controllers. The parts were interactive and layered as in CAD applications.
  3. *The EGT Power Converter Project:* we took a 2-ton machine and reconstructed it in a virtual reality environment so that Parker could demonstrate new sustainable technologies in Asia, Europe and the United States. Users could take a walk "inside the machine" as a small entity and explore internal systems.

CONFERENCES & PRESENTATIONS:

2010: "Virtual Telematics: A Phenomenological Look at Autonomy & Surveillance," The Art Institute of Pittsburgh, Distinguished Faculty Speaker's Series, September 29, 2010.

2009:
"Web 3.0: The Semantic Revolution and Implications for Research," The Art Institute of Pittsburgh, General Education Teaching Seminar, October 1, 2009.
"Social Media: A Survey of Pedagogy & New Media" The Art Institute of Pittsburgh, Faculty Teaching Conference, July 7, 2010.

2008: "Blogs & Logs, Part II: A Presentation on updates to FISA, Data-mining and Surveillance in the Information Age," The Art Institute of Pittsburgh, Faculty Forum Series, March 5, 2008.

2005: Slippery Rock University –"Blogs & Logs: A Presentation on Database Surveillance in the Information Age" Slippery Rock University, 14 April 2005

2001: Slippery Rock University – Phi Sigma Tau Induction Ceremony, Guest Speaker "Point & Click Metaphysics for the Internet Age: Revisiting Heidegger & Marcuse" Slippery Rock University, 6 April 2001

1999: Clarion University- Woman's Conference, "Drumming & Spirituality: A History of Rhythm & Feminine Being" Clarion University, 27 March 1999.

1998: Duquesne University- Graduate Colloquium Series, "Silence – Resistance – Noise: Retelling the Story of Docile Bodies from the Feminine Sphere," Duquesne University, 27 March 1998.

1996: International Association of Philosophy and Literature (IAPL), "Rhythmic Hermeneutics: Playing Jazz Gadamerian Style", George Mason University, 9 May 1996

1994: Tri-State Philosophical Association, "Plato and Feminism: Was Plato a Progressive After All?", Mercyhurst College, Erie, PA, 23 April 1994

EDUCATION:

	Degree	Year	Field
Duquesne University, Pittsburgh, PA	Ph.D.	2004	Philosophy: *AOS:* Continental Philosophy; *AOC:* Critical Theory; Philosophy of Technology & Digital Humanities Studies
	M.A	1996	Philosophy
Slippery Rock University, Slippery Rock, PA	B.S.	1994	Psychology
	B.A	1994	Philosophy

TEACHING EXPERIENCE:

A [full teaching portfolio and recent course evaluations](#) complete with student comments can be found online.

1996-2014: Adjunct Faculty, *Clarion University of Pennsylvania*: Introduction to Philosophy, Ethics, and Logic & Inquiry:

2012 –2013: Lecturer, **The University of Pittsburgh** teaching Business Information Systems: topics covered in course: business process modeling, ERP/SAP Manufacturing Game Simulation, RDBMS, web analytics, wireframing, prototyping, data analysis and cloud technologies.

1998-2011: Faculty (Full-time), *The Art Institute of Pittsburgh*: Aesthetics, Environmental Ethics, Introduction to Ethics, Business Ethics, Logic and Media Theory & Criticism. Also served as a *subject matter expert* in Philosophy for the development of online courses.

1999-May 2001: Adjunct Faculty, *Thiel College*: Introduction to Philosophy, Contemporary Philosophical Movements (Social/Political Philosophy) and Logic & Critical Thinking

1997-98, 2001:
- Instructor, *Duquesne University*: Introduction to Logic & Basic Philosophical Questions (Summer)

1996: Teaching Assistant, *Duquesne University* Saturday College, "From Vincent to Vaughn: An Introduction to the Philosophy of Art"

1995-6: Teaching Assistant/Co-Instructor, *Duquesne University* Saturday College, "Philosophy of Film" and "Basic Philosophical Questions"

HONORS:

2003: The Art Institute of Pittsburgh: Student Choice Award for Outstanding Faculty In Recognition of Teaching Excellence

1994: Outstanding Senior; Summa Cum Laude

1993-94: Meiping Cheng Memorial Scholarship for Academic Achievement and Community Service

SERVICE @ THE ART INSTITUTE OF PITTSBURGH:

Present & Past Initiatives
- *Faculty Art Show 2010 Contributor – Macro Photography*
- *Faculty Senate - Library Committee Chair/Tech Coordinator: 2007-present*
- *General Education: Critical Thinking Assessment Committee: 2007-present*
- *Middle States Self-study Committee Fall 2010 - present*
- *Strategic Planning Committee: convening Fall 2010-present*
- *Middle States Self-study Committee: 2003-2005, 2007*
- *Faculty Senate Founding Member: 2001 & Chair: Library Committee 2011*