

Education

The Pennsylvania State University (University Park, PA) 2010

- Information Sciences and Technology: Design and Development Option (BS)
- Information Systems and Statistical Analysis (Minor)
- German Studies: Applied German Option (BS)
- International Studies (BA)
- Primary Major GPA: 3.62

Selected Relevant Coursework

- **CAS 100B** – Effective Group Speech: Info, People, and Tech
- **IST 210** – Organizational Data Structures
- **IST 311** – Object-Oriented Design and Software Applications
- **IST 331** – Information Systems Design
- **IST 412** – Design of Complex Software Systems
- **IST 413** – Usability Engineering
- **IST 441** – Information Retrieval and Organization
- **ENGL 202C** – Technical Writing

Primary Skills

- Gen. Design Processes
- Activity Design
- Information Design
- Interaction Design
- Prototyping/Storyboarding
- Usability Testing/Analysis
- Adobe Creative Suite
- Marketing / Branding
- Team Leadership
- Project Management
- Teaching
- HTML/XHTML
- CSS
- Javascript
(incl. jQuery, Prototype, etc.)
- PHP
- SQL
- Java
- Rails
- *nix Shell
- XML
- C++

Professional Experience

(June 2009 – Present) [AccuWeather, Inc. \(State College, PA\)](#)

- **Research & Development**
- Responsibilities include research on emerging technologies and the design and development of applications that ship to customers. Design and user-experience engineering is a major component of the job. Examples of work include applications on several televisions, operating systems, and mobile platforms. My work increases AccuWeather's visibility on new platforms, while propagating a new identity and level of user-experience consistent amongst projects from our team.

(June 2008 – August 2008) [Ventura Marketing \(Long Beach, CA\)](#)

- **Design / Lead Development Intern**
- Responsibilities included coding, research, database entity-relationship design, information architecture, user-experience engineering, and server management. Primarily focused on development using PHP, SQL, XHTML, CSS, and AJAX technologies.

Involvement Experience

- SOMA (Students Organizing the Multiple Arts): Participating as a president, treasurer, and volunteer in a student-driven committee formed to plan and execute artistic and musical events that enrich the State College community.
- IST Future Forum & Professional Expo: Participating as a team member in the planning and execution of two of IST's most noteworthy annual events. Responsibilities include working directly with high-profile leaders of the technology industry to ensure a successful event for the companies, faculty, staff, and students.
- Penn State CSCL (Computer-supported Collaboration and Learning) Lab: Collaborating with IST's research faculty. Responsibilities include supporting/participating in their research efforts and coding web applications.

Leadership Experience

- The Government of Grenada: Created documentation on introductory programming with Java, network management, security, and technology in the classroom. Acted as an infrastructure facilitator and lecturer to classes and workshops in the developing nation.
- Teaching Intern: Asked by the College of IST to be a teaching intern for the IST 331 and IST 413 systems design courses due to my background knowledge in user-experience. I provided support to Dr. Mary Beth Rosson, Dr. Jack Carroll, and their students.
- IST 331 Team Leader: Tasked with creating a completely re-envisioned prototype of the IST website according to collected user-data. Led a design team of twelve students to analyze data and create a design. Later led the development team in creating a high-fidelity dynamic prototype used to guide professional developers.

Awards / Honors

- 2008 Penn State Idea Pitch Second Place Venture/Prototype
- 2007 IST Junior Student of the Year (Nominated)
- 2006 IST Sophomore Student of the Year (Awarded)
- First IST International Intern
- Delta Phi Alpha German Honors Society
- Pennsylvania Governor's School of Excellence Alumni

Known Languages

- English (Native)
- German (Fluent)

<http://TimKnapton.com>

Portfolio | More Information