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Pittsburgh, PA 15232

David Hwang

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EMPLOYMENT

Research Assistant **Kittur Lab at Carnegie Mellon** **Winter 2014 – Current**

- Designing visualizations to help new Wikipedia editors understand article histories.
- Plan research direction and considerations with other graduate students and faculty.

Software Developer **Dept. of Comp-Sci at UC Davis** **Summer 2014**

- Rapid prototyping of a framework for online-event discovery using web crawling and natural language processing with focus on understandability and extendibility for future developers.

Research Assistant **Center of Neuroscience at UC Davis** **Spring 2014**

- Built dynamic, performance-based, stimulus delivery tasks through a language/framework called Presentation
- Iterated and developed the stimulus delivery tasks with researchers for its use in human trials.

Technical Lead **iGEM at UC Davis** **Summer 2013 – Fall 2013**

(iGEM is a worldwide, collegiate, academic competition)

- Designed and built a prototypical web application where users could search and upload empirical data.
- Presented my web application through poster, wiki, and oral presentations; qualified for the world jamboree at MIT after the North-American jamboree at the University of Toronto.

EDUCATION

Pittsburgh, PA **Carnegie Mellon University** **Fall 2014 - Summer 2016**

- HCI-Institute: Masters Candidate
- GPA: 3.74
- Coursework: Interaction Design, Applied Machine Learning, Machine Learning Foundations,

Davis, CA **University of California, Davis** **Fall 2010 - Spring 2014**

- B.S. in Computer Science.
- Coursework: Information Interfaces, Data Structures and Algorithms, Programming Languages, Databases, Computer Architecture, Artificial Intelligence

TECHNICAL PROJECTS

- **Visualizing Naming Trends** (2015). Current project to explore different naming trends using data from US social security data. Topics include androgynous names and names of Senators. [D3.js]
- **"In One Chart" in one chart** (2015). A visualization of Twitter images claiming to show ideas "in one chart" [D3.js, Twitter API]
- **Google Scholar Crawler** (2014). A web crawler that scrapes Google Scholar for author data. [Python, Scrapy]
- **Wikipedia Chrome Extension** (2014). Tool to link Wikipedia timestamps to the version of an article at that timestamp. [Javascript, Wikipedia API]

LANGUAGES AND TECHNOLOGIES

- Python (Experienced), Java (Proficient), C++ (Proficient), SQL (Prior Experience), NoSQL (Prior Experience)
- D3.js (Proficient), Git (Proficient)