Timothy D. Hong

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EDUCATION

Bachelor of Science, Computer Science — Expected Spring 2017
University of California, Santa Cruz

TECHNICAL SKILLS

Languages & Software : Java, Python, JavaScript, Scala, C, Bash, Git, LaTeX, Flask, Web2Py, PostgreSQL, mySQL

Operating Systems : Windows, Linux

EXPERIENCE

Undergraduate Researcher — October 2014 - December 2015
Expressive Intelligence Studio — Santa Cruz, CA

- Conducted research to compile and pre-process text corpora.
- Built and analyzed data models trained on the corpora by applying techniques from distributional semantics.
- Designed interactive data visualizations to showcase important findings.
- Discussed and wrote weekly analysis reports based on new findings in data.
- Skills used: Java, Python, JavaScript, Bash, Excel, Git

PROJECTS

1000 Words (Work in Progress)

- A picture is worth a thousand words. The 1000 Words project analyzes a given image and generates 1000 related words. It uses DeepBeliefSDK for image recognition and WordNet to search for related concepts.
- Skills used : JavaScript

Mozaic

- A social image browsing platform where users can upload images to a giant quilt that is made up of other images that users have shared.
- Skills used : Python, JavaScript, mySQL

GameGlobs

- GameGlobs is a visualization of various clusterings of games. Each cluster is drawn as a circle that can be clicked to display the games it contains.
- Skills used : Java, JavaScript (jQuery, d3.js)

PUBLICATIONS

People Tend to Like Related Games
James O. Ryan, Eric Kaltman, Timothy Hong, Michael Mateas, and Noah Wardrip-Fruin.
10th International Conference on the Foundations of Digital Games

Large-Scale Visualizations of Nearly 12,000 Digital Games
James O. Ryan, Eric Kaltman, Andrew M. Fisher, Timothy Hong, Taylor Owen-Milner, Michael Mateas, and Noah Wardrip-Fruin.
10th International Conference on the Foundations of Digital Games

Augmented Exploration of Library Videogame Holdings by Techniques from Computational Linguistics
Glynn Edwards, Eric Kaltman, James O. Ryan, Timothy Hong, and Noah Wardrip-Fruin.
Presented at the 9th Annual Society of American Archivists Science, Technology, and Healthcare Roundtable (2015).