Francis Tseng

DESIGNER & DEVELOPER

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Education

University of Pennsylvania
2007 - 2011
Philadelphia, PA

Bachelor of the Arts in Cognitive Neuroscience

The cognitive neuroscience concentration is an interdisciplinary program combining the fields of computer science, psychology, neurobiology, philosophy, decision theory, & behavioral economics, with a focus on human interaction.

Experience

DBRS Labs
2016
New York, NY

Researcher-in-Residence

Developed a participative economic agent-based simulation with an accompanying three.js city visualization. The simulated citizens were generated by learning a Bayes Net over New York American Community Survey data from 2005-2014. Players interacted with the world by proposing and voting on legislation.

New York Times
2015 - 2016
New York, NY

Knight-Mozilla OpenNews Fellow

Working on The Coral Project, a joint venture involving the New York Times, the Washington Post, and Mozilla to develop an open-source modern digital community platform, as well as additional projects related to data science, NLP, and computational journalism.

Argos
2014 - 2015
New York, NY

Knight Prototype Grantee

Developed a prototype for Argos, a news app for automatically building story timelines from various sources. Involved NLP, implementation of new clustering methods, automated AWS cloud provisioning, design, branding, and development of an API, among other things.

IDEO
2012 - 2014
New York, NY

Interaction Designer & Developer

Designed and developed for both internal and client projects. Technologies used included Rails, Node, JS/Backbone, Python/Flask, HTML/CSS, MongoDB, MySQL, and Postgres. Also contributed visual design, interaction design, and higher-level systems design and strategy.

Caoker
2011 - 2012
Beijing, China

Product Manager & Lead Designer

Developed and designed the web and mobile product's aesthetic, brand, and user experience for a fast-paced Chinese youth culture startup. Conceived of, designed, and managed development of new features using HTML, CSS, jQuery and Rails. Managed team of developers in a bilingual environment.

Penn Student Design
2010 - 2011
Philadelphia, PA

President

Oversaw Penn Student Design's merger with Penn Student Agencies. Organized launch campaign and developed PSD's brand. Developed processes for coordinating designers, new jobs, and payments. Recruited and managed new designers. Responsible for finding new clients.

Skills

Python (Flask, data science stack)
Databases (MySQL, Postgres, MongoDB)
Frontend (HTML, CSS/SASS, JS/Backbone)

Interaction & UX design
Data science, machine learning
Natural language processing