WENSON HSIEH

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EDUCATION

University of California, Berkeley   *exp. May 2015*
B.S. in Electrical Engineering & Computer Science
Regents and Chancellors Scholar
Member of Eta Kappa Nu, EECS honors society
Overall GPA: 3.84

EXPERIENCE

Apple   May 2014 - August 2014
WebKit Software Engineering Intern   *Cupertino, CA*

· Implemented snap points, a new W3C CSS spec allowing web developers to specify content snapping in scrollable areas through CSS properties.
· Updated CSS parser to recognize and store snap point properties and information.
· Added support for snap points on iOS, and prototyped snap points on OSX.
· Worked in C++, Objective C and Javascript.

International Computer Science Institute   June 2013 - May 2014
Research Intern   *Berkeley, CA*

· Analyzed large brain network data (over 10^5 vertices and 10^8 edges) using path length and clustering.
· Developed sparse graph framework in Python, using Scipy, Numpy, Matplotlib and inline C.
· Sped core algorithms by more than 100x over pure Python code by writing C extensions.

PERSONAL PROJECTS

Tron   Spring 2014
Javascript - WebGL

· Web-based 3D driving game controlled by the user's gestures, built in 20 hours.
· Won first place at the CSUA Spring 2014 Hackathon.
· Wrote code to capture and interpret gestures in a browser via webcam.

Couplr   Summer 2013
node.js - Express - jQuery - MongoDB

· Facebook app that lets users upvote or downvote potential matches between friends.
· Developed accurate match suggestion algorithm based on Facebook activity in user's social network.
· Built back end using MongoDB, node.js. Cached user data to ensure fast retrieval of social graphs.

QWOP AI   Summer 2013
HTML5 - Javascript

· Built physics-based walking simulator in Javascript and HTML canvas.
· Developed AI from scratch to learn QWOP using feature-based Q-learning and neural networks.

More projects available at *www.github.com/whsieh*
Check out my personal website at *www.whsieh.com*