

Alexander Chen

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Work Authorization: US Citizen

Experiences

Software Engineering Intern, Marvell Technology Group Ltd., Jun 2012 ~ Aug 2012

Worked on automating the process of gathering and analyzing chip test reports and benchmarks with a C# backend to process, sort, and filter Office Word and Excel files and display in a Ext.JS frontend.

Undergraduate Research, Berkeley Energy and Sustainable Technologies Lab, Sept 2011 ~ May 2012

Programmed telosB motes in TinyOS to measure light intensity for optimizing energy use with indoor adaptive light level actuation, and minimized the power consumption of the motes to be sustainable under solar power, and created a communication and visualization interface for the sensor data with a PHP and PostgreSQL backend and a D3 and protovis visualization frontend.

Undergraduate Research, Center for Research and Education on Aging, Jul 2011 ~ Apr 2012

Developed a physiological language for biological activities at above intracellular level using a Cellular Automaton model and designed a simulation prototype with a PHP and MySQL backend.

Education

Bachelor of Arts in Computer Science and Applied Mathematics, Aug 2013

EECS Honors Degree Program
GPA 3.9
University of California, Berkeley

Projects

DTCP (2015 ~ 2016): Cross-platform Twitter client on Mac and Windows implemented with Electron application framework using Javascript Node and Vue.js frontend framework.

ShuangPin (2014 ~ 2015): Chinese Input Method on iOS and OS X with bigram model typing prediction in ShuangPin keyboard layout implemented with ObjC and Swift.

Bunshu.net (2012 ~ 2014): Feed reader in Python and PostgreSQL that replicates Google Reader functionalities with friend sharing, commenting and API support for third-party clients.

Skills

Comfortable with: Python, Javascript.
Knowledge of: C/C++, HTML/CSS, SQL, Java, Unix/Linux, Version Control.
Languages: Chinese (fluent), English (fluent), Japanese (conversational).