Kevin Hsu

(510)789-9807
khsu31@gmail.com

Personal Webpage: hsukevin.github.io

Education:

University of California, San Diego	B.S. Computer Engineering
Major GPA 3.75	Anticipated Graduation: 2016

Skills:

Proficient: Java, C++, Git, Verilog, C, Assembly, PSpice, Linux
Competent: HTML5, CSS, JavaScript, JSON, jQuery, MATLAB, BASH, Bootstrap
Working: Node.js, VBA SQL, XML

Coursework:

CSE 11	Intro to Comp Sci & OOP	ECE 15	Engineering Computation
CSE 12	Basic Data Structures & OOD	ECE 25	Intro to Digital Design
CSE 15L	Software Tools & Techniques Lab	ECE 30	Intro to Computer Engineering
CSE 21	Math for Algorithms & Systems	ECE 45	Circuits & Systems
CSE 100	Advanced Data Structures	ECE 65	Components & Circuits Lab
CSE 140L	Digital Systems Lab	ECE 101	Linear System Fundamentals
CSE 170	Intro to Human Computer Interaction	ECE 111	Advanced Digital Design Project
ECE 109	Engineering Probability & Statistics	ECE 174	Intro to Optimization

Current Projects:

IEEE Micromouse Competition Lead

- Lead a team of 7 to build a small robotic autonomous robot to solve a maze
- Team designs the entire robot, from circuits to individual mechanical parts
- Program all logic for robot on ARM microprocessor
- Work with PCB layouts and SMD soldering
- Will compete in Spring 2015 against other teams

Work Experience:

Purchasing Intern   *June 2014-September 2014*
Finelite, Union City, CA

- Developed Excel VBA macros and designed logic formulas to analyze data
- Analyzed SQL queries to retrieve specific information
- Calculated and forecasted inventory numbers for production
- Created purchase orders and quoted materials to analyze best methods of purchase

Electrical Engineering Test Intern   *June 2013-September 2013*
Finelite, Union City, CA

- Built and wired industrial light fixtures
- Designed testing solutions to address problems found in previous design
- Consulted with senior quality assurance testers to implement key testing features
- Purchased custom parts and assembled fully functional new test carts

Chess Tutor   *September 2006-June 2012*
Mission San Jose Elementary School Chess, Fremont, CA

- Instructed groups of 10-15 children weekly
- Explained tactics and reviewed annotated games to highlight better strategies
- Team won national championship titles in 2009 and 2013

Volunteering:

STEM Merit Badge Volunteer
UCSD IEEE, San Diego CA

- Mentored elementary students with Eclipse IDE
- Coded and debugged students Java code