

Kevin Hsu

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Personal Webpage: tinyurl.com/hsukevin

Education:

University of California, San Diego
Major GPA 3.75

B.S. Computer Engineering
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