Sean C. Wang

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Education:

Electrical Engineering *June 2016*

University of California, Los Angeles

- GPA: Major 3.91/4.00, Cumulative 3.88/4.00
- Coursework: Digital Circuits, Power Systems, Electromagnetic Waves (A+), Systems and Signals (A+), Communication Systems (A+), Computer Organization, Software Construction

Skills and Abilities:

- **Programming Languages**: C/C++, Java, JavaScript, Matlab, LaTeX, LabView (CLAD Certified)
- **Software**: PSpice, EAGLE, Cadence, Eclipse, Android Studio, TeXstudio, Microsoft Office
- **Other**: Conversational in Mandarin Chinese, Elementary proficiency in Japanese

Experience:

AT&T (Formerly DirecTV)

Consumer Premise Engineering (Mobile Testing) Intern *06/2015 to PRESENT*

- Performed mobile testing of Android and iOS phone and tablet using Android Studio and Xcode
- Coordinated with storage administrators to develop tools for improved procedure organization
- Created procedure-to-specification document reference tool using Adobe Acrobat JavaScript API

UCLA SWE (Society of Women Engineers)

Team Tech Director *10/2013 to 06/2015*

- Reached out to corporate sponsors to create a project for fellow engineering students
- Planned, organized, and hosted technical workshops on Android, Arduino, Bluetooth, and GPS
- Programmed Android app that allowed mobile devices to interact with a tracking device
- Presented completed project to a panel at the 2014 SWE National Conference in Los Angeles

UCLA IEEE (Institute of Electrical and Electronics Engineers)

Micromouse *09/2014 to 06/2015*

- Used EAGLE CAD software to create PCBs for an autonomous maze solving robot (Micromouse)
- Assembled 3D printed parts and performed surface mount soldering of electrical components
- Implemented flood-fill and feedback controller algorithms in C on an STM32F4 microcontroller

NATCAR *09/2012 to 06/2014*

- Designed and implemented an H-bridge motor control circuit for a line following robot (NATCAR)
- Programmed Arduino microcontroller to work with a line-scan camera and motor control circuit

OPS (Open Project Space) *09/2012 to 06/2013*

- Constructed a low battery indicator using the programmable analog features of the PSoC

Rosemead Dialysis Center

IT Support *05/2010 to 08/2012*

- Managed, backed up, and increased accessibility of valuable patient data
- Improved stability and security of router networks, performed computer maintenance

Volunteer:

UCLA OSD (Office for Student with Disabilities)

Notetaker *03/2015 to PRESENT*

- Wrote, scanned, and annotated personal engineering course notes for students with disabilities