Xuan Chen

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EDUCATION

University of California, Los Angeles

B.S. in Electrical Engineering (with Computer Engineering option)   Jun, 2017

Overall GPA: 3.8/4.0

(Dean's Honor List for Superior Academic Achievement for every quarter)

Relevant Courses Taken:

Semiconductor and Solid-state Devices
Signal and Systems (Matlab, Verilog)
Computer Systems Architecture
Object-oriented Software Development (C++)
Software Construction Laboratory (Linux, C, Python, Git)
Physical Layer Design(Arduino, Win32 application)
Analog Circuit Theories
Engineering Electromagnetics
Operating Systems

TECH EXPERIENCE

Team Leader in Micromouse Project   (Sept, 2014-Present)

- Awarded 2nd Place in UCLA Micromouse competition
- Built an autonomous Maze-solving Robot. Experience in microcontroller programming, circuit debugging, feedback control, and sensor fusion.

Smartglove Project   (Apr, 2015-Present)

- Designed a wireless computer mouse on hand glove. Programmed in Win32 and Arduino, and transferred real-time data via Bluetooth communication.
- The wearable mouse can perform smooth & minimal-delay cursor movements and clicks with easy hand actions.

Implement an Ancient Board Game with C++   (Jun, 2014)

- Programmed in an object-oriented development project. Applied knowledge of Artificial Intelligence implementation and game classes design.

Construct AM Radio – EE project   (Sept-Nov, 2014)

- Hands-on experience in signal amplification, signal processing, and use of LabView, Oscilloscope, function generator, Semiconductor elements, etc.
- Achieved a very high gain AM radio to output audio signal.

SKILLS

Hardware: Circuit design & debugging, electrical testing devices, PCB design
Software: C++, C, Linux Shell Script, Python, Assembly language, Matlab

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RESEARCH EXPERIENCE &ACTIVITIES

Researcher at The Ozcan Research Laboratory   (May, 2015-Present)

- Program and research on DRAM Imaging project for on-chip microscopy

Member of IEEE(Institute of Electrical and Electronics Engineers) at UCLA (Sept, 2014-Present)