

QUANJIE GENG

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EDUCATION

University of California, Los Angeles (GPA: 3.67)

- B.S. in Computer Science and Engineering Sept. 2012 - Present
- B.S. in Applied Mathematics Expected Graduation Date: June 2016

Related Coursework

- Operating Systems, Database Systems, Digital Systems, Computer Networks, Software Construction
- Algorithms, Data Mining, Data Analysis, Mathematical Modeling, Digital Signal Processing

WORK & RESEARCH EXPERIENCE

Ozcan Research Group, UCLA Electrical Engineering Department

Research Assistant July 2015 - Present

- Worked on detecting bloodborne parasite using image recognition techniques
- Implemented the reconstruction algorithm of holograms in MATLAB

UCLA Electrical Engineering Department, Los Angeles, CA

EE3 (Introduction to Electrical Engineering) Mentor Mar. - June 2015

- Taught students how to use common lab equipments (i.e. DMM, oscilloscope, MyDAQ)
- Mentored students on lab experiments and design projects (LabVIEW and Arduino IDE)

iCrossing, Santa Monica, CA

Technical Services Intern June - Aug. 2014

- Collaborated in developing the front-end/UI for Toyota's new internal facing website
- Installed a platform for web developers to visualize their work on multiple devices simultaneously, saving 50% of their time uploading websites to individual devices
- Designed a 3D webpage demo (three.js) with Google Cardboard (Virtual Reality viewer)

PROJECTS & LEADERSHIPS

Institute of Electrical and Electronic Engineers (IEEE), Student Chapter, UCLA

Microcontroller Project Natcar (1st place in UCLA Internal Natcar Competition 2015) Sept. 2014 - June 2015

- Developed an automatic line-following racing car
- Designed the line detection algorithm and invented a "fast-stop" mechanism for the PID controller

Microcontroller Project Micromouse Sept. 2013 - June 2014

- Worked on developing a robot mouse with maze-solving capabilities
- Designed the turning algorithm (PID), circuit diagram and physical structure of the robot mouse

Eta Kappa Nu (HKN), Electrical Engineering Honor Society, UCLA

Publicity Chair Apr. 2014 - June 2015

- Designed flyers and sent out emails to promote club events

Corporate Relations Chair June 2015 - Present

- Hosted company information sessions
- Tutored lower division computer science, physical science courses 2 hours per week

TECHNICAL & LANGUAGE SKILLS

- C/C++, Java, Python, Verilog, Javascript, HTML, CSS
- MySQL, MATLAB, RStudio, Arduino IDE, Microsoft Office, Photoshop
- Mandarin Chinese, Japanese