

June Ge

69 Brown St Box 5896, Providence, RI 02912 | 703-624-8149 | june_ge@brown.edu | junege37.github.io

Education

Brown University, Providence, RI

Dec 2018

Sc.B Electrical Engineering, **GPA: 3.78**

Relevant Coursework: Design of Electronic Circuits, Digital Design, Computer Systems

Work Experience

Lockheed Martin, Missiles and Fire Control, Orlando, FL

Electrical Engineering Intern

Jun 2017 - Aug 2018

- Coordinated formal circuit card modification review and conducted relevant analyses
- Contributed real-time counter interface module to larger FPGA controller design in SystemVerilog (for simulation and intended synthesis) and created IMU model for verification
- Assisted in manufacture and documentation of circuit assembly test cables in DxDesigner while supporting card- and integration-level testing

Brown University CS Department, Providence, RI

Undergraduate Teaching Assistant, CSCI 0160

Jan - May 2017

- Developed Java and Python support code for Data Structures and Algorithms course
- Implemented testing scripts for assignments and homeworks
- Held sections and TA hours for concept reinforcement and code debugging

Brown University School of Engineering, Providence, RI

Grader, ENGN 0520

Jan - May 2017

- Provided students with weekly feedback on problem sets for Circuits and Signals class

John Street Studio, Providence, RI

Technical Assistant

Sept 2015 - May 2016

- Maintained workshop environment and equipment, as well as installations
 - Assisted with design, machining, construction of props/sets/models
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Projects

Formula SAE, Brown University, Providence, RI

Sept 2015 - pres

- Wiring Harness Lead 2016-2017: Designed and manufactured wiring harness subsystem, connecting all electrical components and supporting team through major Engine Control Unit change
- Contribute to overall machining and assembly of racing vehicle

Brown Robotics Olympiad, Providence, RI

April 2016

- Designed, constructed, and programmed Arduino-based, maze-solving robot

PilotDC, Fairfax, VA

Aug 2015

- Created winning anxiety-tracking app, "Heart," contributing to front-end app development (HTML/JavaScript)
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Research

SPIRE-EIT REU, Iowa State University, Ames, IA

Research Intern

May - Aug 2016

- Developed automated assistant interface for manned aerospace missions using a human-centered design paradigm
 - Tested prototype on subjects using FlightGear simulator; wrote and presented paper
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Skills

Programming/Software: Experienced with Java, C/C++, MATLAB, proficient in Python; \LaTeX , SystemVerilog, LTSpice, DxDesigner (MentorGraphics), SolidWorks, NVIDIA CUDA

Hardware: Soldering/electrical assembly, 3D Printing, manual and CNC machining

Other: Mandarin Chinese (conversationally fluent)

Honors

Jane Street Women in STEM Conference Participant

2015