

JOSHUA LUO

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EDUCATION

The University of Texas at Austin

May 2020

Bachelor of Science, Electrical and Computer Engineering

Technical Cores: Software Engineering, Computer Architecture, and Embedded Systems

GPA: 3.95

Relevant Courses: Software Design and Implementation, Embedded Systems, Algorithms, Python, Digital Logic Design, Operating Systems, Engineering Communications

WORK EXPERIENCE

Enseo - *Quality Assurance Engineering Intern*

June 2018 - Aug. 2018

- Reduced average test time by developing scalable and user-friendly automated testing software, will eventually replace current manual testing framework (HTML/CSS, Javascript)
- Conducted more efficient and accurate tests by using automated Bash and Expect/Tcl scripts
- Identified software bugs across 6 firmware releases, 3 product models, and IoT peripherals

LaunchPad City - *Technology & Marketing Intern*

June 2017 - Aug. 2017

- Outlined digital marketing strategy, designed over 75 graphics and produced and edited 10 videos
- Learned Adobe Illustrator within a week, designed high-quality UX/UI mockups for 2 websites
- Maintained database of 300 stores, created websites to host pictures for insurance purposes

NTT DATA - *Summer Intern*

June 2014 - Aug. 2014

- Created cloud computing presentation, increased technical knowledge of marketing employees
- Organized "Headshots for Hunger" fundraiser, generated \$800 for the North Texas Food Bank
- Updated company's portal and learning management system with 5 self-created video tutorials

LEADERSHIP

Freetail Hackers - *Creative Team Organizer*

Feb. 2018 - Present

- Collaborate with 6 teams to organize UT Austin's premier hackathon which has over 2000 applicants and \$39.75k in sponsorships
- Produced promotional video that received more than 700 views in less than 2 days

Student Engineering Council - *Director of Publicity Committee*

Sept. 2017 - Present

- Lead committee of 12 members to market events to 7,700 engineering students
- Drive reform for more collaborative relations with other committees to increase leadership development of Publicity members
- Direct website redesign initiative (HTML, CSS/SASS, Javascript), migrated to Github for hosting

Music Above All, 501(c)(3) Nonprofit - *Director of Technology*

Dec. 2014 - June 2016

- Marketed Jazz Charity Night fundraiser, generated over \$2000 for charity and scholarship funds
- Revamped website, received \$10,000 monthly budget from Google AdWords, increased website traffic by 11x over 10 months

PROJECTS

Harry Potter Video Game

Spring 2017

C, ARM Assembly

- Interfaced TI TM4C LaunchPad microcontroller with LEDs, slide potentiometer (ADC), audio jack (DAC), buttons, and LCD screen according to ARM Assembly Procedure Call Standard
- Implemented 4 extra credit software features in 1 week through pair programming

SKILLS

Programming: Java, C/C++, Python, HTML, CSS/SASS, Javascript, Git, ARM Assembly, Verilog
Digital Media: Photoshop, Illustrator, Premiere Pro, After Effects, Adobe Creative Suite