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 1000 views in less than 3 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
Operating Systems: Windows, Linux