Local Address   **Joseph Bae**   **Permanent Address**
807 West 25th Street Unit # 101   6221 Saint Denis Street
Austin, TX 78705   Corpus Christi, TX, 78414
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Education

The University of Texas at Austin
Bachelor of Science, Computer Engineering, May 2018
Primary Core: Software Engineering and Design
Business Foundations Certificate

Related Courses: Introduction to Computing, Introduction to Electrical Engineering, Differential and Integral Calculus, Introduction to Embedded Systems, Series and Sequences Calculus, Introduction to Chemistry, Differential Equations with Linear Algebra, Matrices and Matrix Equations, Circuit Theory, Discrete Mathematics, Linear Systems and Signals, Software Design and Implementation, Data Analysis for the Health Sciences, Digital Logic Design,

Academic Projects

- Created and coded hardware and software for a custom video game with a partner that used C and ARM Cortex languages and an EK-TM4C123GXL embedded microcontroller by Texas Instruments
- Created and coded a traffic light controller with a partner that used Finite State Machines and real time synchronization using the EK-TM4C123GXL microcontroller
- Linked and coded a real time position monitor that used ADC, interrupts, and an LCD screen
- Implemented a bug population simulation in C with an algorithm that constantly updated with the best possible chance of survival for a bug and the bug's offsprings

Skills

- Proficient with C, C++, Visual Studio, HTML, ARM Cortex-M assembly language, LaTeX
- Familiar with LabView, MATLAB, Java, JavaScript
- Certified in Adobe Photoshop CS 7 and in Microsoft Office Word 2007
- Experienced with lab equipment such as oscilloscopes, waveform generators, soldering irons

Work Experience

ServiceNow UT Information Technology Services *(Austin, Texas) – Senior Student Associate*   Summer 2016
- Fixed and cleaned the front end UI of the UT ServiceNow Business Services and Service Offerings webpage in preparation for product launch
- Communicated with various customers in order to troubleshoot and fulfill their individual requests
- Assist in day to day operations and project related tasks such as creation and validation of process workflows, data reconciliation and imports, knowledgebase article creation, training documentation, and creation of reports

Leadership Experience and Activities

Camp Texas – *Counselor*   Spring 2016
- Selected to be a counselor at Camp Texas, an introductory camp for incoming freshman to ease anxieties and adjust to life at UT

Mobile App Development – *Member*   Fall 2015
- Active participant in Android, IOS, and Javascript web based workshops

Institute of Electrical and Electronic Engineers (IEEE) – *Member*   Fall 2015 - Present
- Active attendant in organization meetings to discuss the current situation of the electrical engineering world and to participate in active conversation with companies

University Leadership Network - *Member*   Fall 2014 - Present
- Continually developed and applied leadership skills in professional situations and in volunteer work

Volunteer Work

Alpha Phi Omega – *Member*   Spring 2016 - Present
- Service fraternity with to a minimum of 35 service hours in the semester in order to better the community, the fraternity, the campus, and the nation.

Saint Baldrick's Foundation – *Shavee Donator*   Spring 2015 – Present
- Fundraised and shaved head for pediatric cancer awareness and to promote social acceptance of going through the process of chemotherapy

Texas THON- *Miracle Maker Participant*   Spring 2015 - Present
- Fundraised and participated in a 12-hour long dance marathon for the Dell Medical Children's Center