

Ashkan Vafaei

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Education

Bachelor of Science, Electrical and Computer Engineering

May 2019

The University of Texas at Austin

Cumulative GPA: 3.79/4.00

Related Coursework: Computer Architecture | Operating Systems | Algorithms | Concurrent and Distributed Systems | Multicore Computing | Software Testing | Digital Logic Design | Embedded Systems

Experience

Software Engineering Intern, Texas Instruments

5/18 – 8/18

- Investigated and resolved firmware build issues for latest SoC device by updating firmware automation tool
- Conducted boot testing of system firmware using simulation software and created failure reports
- Designed a debug translation tool using python to help customers self-analyze application issues
- Utilized Linux and Git version control system under Agile development principles for all software development

Research Assistant, University of Texas at Austin

2/18 – 5/18

- Worked under Dr. Matt Lease to study machine learning in the context of natural language processing
- Participated in group discussions of recent research papers on automated fact checking
- Led study groups to learn python and commonly used machine learning libraries
- Evaluated fact checking program developed by graduate research assistant from Dr. Lease's research team

Product Test Engineer Intern, NXP Semiconductors

5/17 – 8/17

- Independently completed four software projects to increase quality and efficiency of test engineering processes
- Improved quality of datalog difference reports by developing Ruby script to filter 94% of unimportant data
- Automated storage of device flash memory contents by creating a VBA tool internal to a test program
- Designed VBScript program to more efficiently identify device specification sheet changes
- Optimized device performance evaluations by automating targeted test data extraction process

Skills

Proficient in Java, C, C++, Python, Ruby, Visual Basic, VBScript, VBA, and ARM assembly language

Experience with MATLAB, Linux, HTML, CSS, and JUnit testing

Experience with Multimeters, Oscilloscopes, Logic Analyzers, Simulators, and Circuit Analysis

Software development on Eclipse, Microsoft Visual Studios, Linux, and Keil uVision

Conversational Farsi

Microsoft Office proficiency

Accomplishments

Recipient, University of Texas at Austin Presidential Achievement Scholarship, 2015-2019

Recipient, Iranian Scholarship Foundation Undergraduate Scholarship, 2015-2019

Recipient, International Baccalaureate Diploma, 2013-2015

Webmaster, University of Texas at Austin IEEE Computer Society, 2017-2019

President/Founder, Anderson High School Table Tennis Club, 2013-2015