Samuel Tanner

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OBJECTIVE

Obtain a position as Lead Computer Engineer for Amazon to make a meaningful contribution to the bottom line.

EDUCATION

Master of Science, Electrical and Computer Engineering   May 2019
Georgia Institute of Technology, Atlanta, GA
- Earned technical degree while succeeding at full-time job
- Include courses taught by industry experts from General Electric

Bachelor of Science, Computer Engineering   May 2016
Utah State University, Logan, UT
Minor: Computer Science, Mathmatics
- Reciepient of Presidential Scholarship
- Worked 5-10 hours per week while attending school full-time

Project Lead the Way
Bonneville High School, Ogden, UT
- Accelerated team based program for Engineering Design, Digital Electronics, and Computer Integrated Manufacturing
- Completed senior project for Autoliv, new testing aparatus

EXPERIENCE

Lead Analytics Engineer   May 2019 - Present
Energy Innovation Center, Baker Hughes, Oklahoma City Oklahoma
- Lead research & development of multiple analytical projects aimed at improving effeciency of existing oilfield equiptment
- Managed local team of 5-7 researchers to complete these project, and deliver for customers in timely manner
- Presented at Digital (R)evolution for the Oil & Gas conference hosted by Instituto Argentino Del Petroleo y del Gas on internal edge platfrom and Analytics - Sept 2020
- Presented at Applied Data Analytics Upsteam Conference on internally developed edge analytics and platform
- Prepared demonstration game and Presented at UNIFY 2019 Baker Hughes C3 joint-venture Baker Hughes premier digital conference to demonstrate to high priority customers our digital capabilities and trajector in Moneco Sept 2019
- Acted a Product Owner for team of 8 remote developers, delivered Baker Hughes interal Edge Computing platform

Research Engineer Firmware/Software   May 2018 - May 2019 Energy Innovation Center, Baker Hughes, a General Electric Company, Oklahoma City Oklahoma
- Improved productivity of team of researchers by establishing, instructing, administering Git practices
- Collaborated with subject matter experts to create physics based models to optimize gas lifted well performance
- Implemented Modbus server in C++, prepared codebase for production readiness
- Research into digital inspection solution for drill bits

Edison Engineer Leadership Program   May 2016 - May 2018 General Electric - Billerica MA, San Ramon CA, Oklahoma City Oklahoma

- Excelled in rigourous training from industry experts in GE while maintaining a full workload
- Set up a Jenkins Continuous Integration server for team
- Created automated testing framework saving $10K in testing time, using open source tools
- Assisted in updating RoHS compliance of legecy electricons including adapting PCB
- Planned and executing Engineering week for site of 270 people
- Contributed as member of a scrum team, learned Java in brief assignment

Teaching Assistant   August 2013- May 2014
Electrical and Computer Engineering Department, Utah State University
- Taught lab sessions with 10 students to code FPGA chips for basic operation
- Assess and grade student proposed capstone projects

RELEVANT SKILLS

- Coding fluency in C++. Built operating system simulator on a RasperryPi (shell simulator, scheduling simulator, etc.)
- Able to write and debug Java code to make basic GUI programs
- Self-taught Perl to broaden language skill set
- Extensive experience with Windows platform and multiple Linux flavors
- Skilled in implementing and understanding various data structures
- Able to think creatively to come up with multiple solutions to a problem
- Works well in teams as well as accepts responsibility for personal duties
- Excellent communication skills in working as a team from sales experience at Bell Janitorial Supply.
- Exceptional organization skills from organizing and itemizing Bell Janitorial Supply warehouse

COMMUNITY SERVICE

Volunteer tutor at Logan Middle School   2013
Two-year church service mission   2010-2012
- Worked 12 hour days to set and meet goals
- Managed other volunteers in training and setting and attaining goals
- Fluent Spanish, reading, writing, and speaking

OTHER INTERESTS

- Skiing, hiking
- Linux
- Reading