Sheng Wei

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Objective

Use my analytical, critical thinking, and technical skill set I gained from industry and academic experience to obtain a full time position in software development

Education

B.S. in Computer Engineering, Virginia Polytechnic Institute and State University, Blacksburg, VA, Graduated in May 2017, Minor: Mathematics, Computer Science, University GPA: 3.59/4.00, Cum Laude
M.S. in Computer Science, Georgia Institute of Technology, Online, August 2019 - Present

Computer Skills

Languages: C (Proficient), C++ (Proficient), Python (Proficient)
Bash (Proficient), Java, Matlab, Verilog HDL
Softwares: Vim (Expert), Git (Proficient), Clearcase, Visual Studio (Proficient)
Matlab (Proficient), Mathematica (Proficient), Wireshark, Tcpdump, GDB

Experience

Software Engineer, Hughes Network Systems — Summer 2017 - Present

- Majorly Worked on Jupiter gateway team
- Used C/C++ and Bash to implement features for a multi-threading Linux gateway software
- Worked with teams of other software platforms to perform End-to-end testing and debugging

Research Assistant, VT SSRG — Spring 2016 - Summer 2017

- Created benchmark of small size OS boot time on Xen virtualization environment, designed network software benchmarks such as Redis and Apache on distributed system

Projects

Self-driving Handling in a Mutually Exclusive Road System — Fall 2016
ECE 4534 Embedded System Design, Professor Patterson

- Designed an algorithm which can solve two mutual exclusive problem of robots
- Designed and implemented data reading from sensor to micro-controller

Message Repository on Raspberry Pi — Fall 2016
ECE 4564 Network Application Design, Professor Plymale

- Responsible for message storage in MangoDB
- Serialized data from client end by using JSON

Data Management — Fall 2016
CS 3114 Advanced Data Structure and Algorithm, Professor Shaffer

- Implemented a hash map for storage of music information
- Used doubly linked list to implement a LRU queue for memory management

Academic Honors

Virginia Tech Dean's List Spring 2013, Fall 2013, Spring 2014, Spring 2016, Spring 2017