

Sheng Wei

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Objective	To use the analytical, critical thinking, and technical skill set I gained from my Computer Engineering degree to obtain a full time position in software development.	
Education	B.S. in Computer Engineering , Virginia Polytechnic Institute and State University, Blacksburg, VA, May 2017 Minor: Mathematics, Computer Science University GPA: 3.59/4.00	
Computer Skills	<u>Languages:</u> C (Proficient), C++ (Proficient), Python (Proficient) Bash (Proficient), Java, Matlab, Verilog HDL <u>Softwares:</u> Vim (Expert), Git (Proficient), Clearcase, Visual Studio (Proficient) Matlab (Proficient), Mathematica (Proficient)	
Experience	Software Engineer , Hughes Network Systems Summer 2017 - Present <ul style="list-style-type: none">Developed IP Gateway application for JUPITER System Research Assistant , VT System Software Research Group Spring 2016 - Present <ul style="list-style-type: none">Created benchmark of mini-os boottime on Xen virtualization environmentDesigned network software benchmarks such as Redis and Apache on Xen and regular linux environment Volunteer , SDU-VT Lab Fall 2015 <ul style="list-style-type: none">Researched on high-speed multi camera system for 3D capture of bat flight Volunteer , Virginia Tech YMCA Fall 2014 <ul style="list-style-type: none">Tutored students in the Blacksburg High School mathematicsTutored students in the Harding Ave Elementary School mathematics	
Projects	Self-driving Handling in a Mutually Exclusive Road System Fall 2016 ECE 4534 Embedded System Design, Professor Patterson <ul style="list-style-type: none">Designed an algorithm which can solve two mutual exclusive problem of robotsDesigned and implemented data reading from sensor to micro-controller Message Repository on Raspberry Pi Fall 2016 ECE 4564 Network Application Design, Professor Plymale <ul style="list-style-type: none">Responsible for message storage in MangoDBSerialized data from client end by using JSON Data Management Fall 2016 CS 3114 Advanced Data Structure and Algorithm, Professor Shaffer <ul style="list-style-type: none">Implemented a hash map for storage of music informationUsed doubly linked list to manage usage of memory in memory pool	
Academic Honors	Virginia Tech Dean's List Spring 2013, Fall 2013, Spring 2014, Spring 2016, Spring 2017	