

Sheng Wei

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Objective	To use the 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, 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), Wireshark, Tcpdump	
Experience	Software Engineer , Hughes Network Systems	Summer 2017 - Present
	<ul style="list-style-type: none">Developed, maintained and provided technical support for multi-threading IP gateway software for Jupiter satellite communication systemSystem Integration test for Jupiter satellite network system using tools like Wireshark, tcpdump, iperf	
	Research Assistant , VT SSRG	Spring 2016 - Summer 2017
	<ul style="list-style-type: none">Created benchmark of small size OS boot time on Xen virtualization environment, designed network software benchmarks such as Redis and Apache on distributed system	
	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	
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	