

## Sheng Wei

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<b>Objective</b>	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.	
<b>Education</b>	<b>B.S. in Computer Engineering</b> , Virginia Polytechnic Institute and State University, Blacksburg, VA, May 2017 Minor: Mathematics, Computer Science University GPA: 3.59/4.00	
<b>Computer Skills</b>	<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)	
<b>Experience</b>	<b>Software Engineer</b> , Hughes Network Systems • Developed IP Gateway application for JUPITER System	Summer 2017 - Present
	<b>Research Assistant</b> , VT SSRG • Created benchmark of mini-os boottime on Xen virtualization environment • Designed network software benchmarks such as Redis and Apache on Xen and regular linux environment	Spring 2016 - Summer 2017
	<b>Volunteer</b> , SDU-VT Lab • Researched on high-speed multi camera system for 3D capture of bat flight	Fall 2015
	<b>Volunteer</b> , Virginia Tech YMCA • Tutored students in the Blacksburg High School mathematics • Tutored students in the Harding Ave Elementary School mathematics	Fall 2014
<b>Projects</b>	<b>Self-driving Handling in a Mutually Exclusive Road System</b> 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	Fall 2016
	<b>Message Repository on Raspberry Pi</b> ECE 4564 Network Application Design, Professor Plymale • Responsible for message storage in MangoDB • Serialized data from client end by using JSON	Fall 2016
	<b>Data Management</b> CS 3114 Advanced Data Structure and Algorithm, Professor Shaffer • Implemented a hash map for storage of music information • Used doubly linked list to manage usage of memory in memory pool	Fall 2016
<b>Academic Honors</b>	Virginia Tech Dean's List Spring 2013, Fall 2013, Spring 2014, Spring 2016, Spring 2017	