

# 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: 3.57/4.00	
<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), Visual Studio (Proficient) Matlab (Proficient), Mathematica (Proficient)	
<b>Experience</b>	<b>Research Assistant</b> , VT System Software Research Group      Spring 2016 - Present <ul style="list-style-type: none"><li>• Created benchmark of mini-os boottime on Xen virtualization environment</li><li>• Designed network software benchmarks such as Redis and Apache on Xen and regular linux environment</li></ul> <b>Volunteer</b> , SDU-VT Lab      Fall 2015 <ul style="list-style-type: none"><li>• Researched on high-speed multi camera system for 3D capture of bat flight</li></ul> <b>Volunteer</b> , Virginia Tech YMCA      Fall 2014 <ul style="list-style-type: none"><li>• Tutored students in the Blacksburg High School mathematics</li><li>• Tutored students in the Harding Ave Elementary School mathematics</li></ul> <b>Dinning Service</b> , Dietrick Dinning Hall      Fall 2013 - Fall 2014 <ul style="list-style-type: none"><li>• Provided food service to students and staffs in Virginia Tech</li></ul>	
<b>Projects</b>	<b>Self-driving Handling in a Mutually Exclusive Road System</b> Fall 2016 ECE 4534 Embedded System Design, Professor Patterson <ul style="list-style-type: none"><li>• Designed an algorithm which can solve two mutual exclusive problem of robots</li><li>• Designed and implemented data reading from sensor to micro-controller</li></ul> <b>Message Repository on Raspberry Pi</b> Fall 2016 ECE 4564 Network Application Design, Professor Plymale <ul style="list-style-type: none"><li>• Responsible for message storage in MangoDB</li><li>• Serialized data from client end by using JSON</li></ul> <b>Data Management</b> Fall 2016 CS 3114 Advanced Data Structure and Algorithm, Professor Shaffer <ul style="list-style-type: none"><li>• Implemented a hash map for storage of music information</li><li>• Used doubly linked list to manage usage of memory in memory pool</li></ul>	
<b>Academic Honors</b>	Virginia Tech Dean's List Spring 2013, Fall 2013, Spring 2014, Spring 2016, Spring 2017	