# Jiaming Chen
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## CAREER OBJECTIVE:
To solve problems and develop innovative projects as a software engineer

## TECHNICAL SKILLS:

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| **Languages**: | Java, C, C++, Python, Assembly, MatLab, HTML, JavaScript, Verilog, Lua |
| **Tools:** | Node, GDB, Eclipse, Arduino, Wireshark, ROS, JUnit, Git, Google Map API, JQuery, Corona SDK, Cheat Engine, Active HDL, Photoshop, Microsoft Office |
| **Multilingual:** | Mandarin, Cantonese, and English. |

## EDUCATION:

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| **College:** | Bachelor of Art in Computer Science GPA: 3.7/4 (09/2012-06/2015) *University of Washington* Running Start (College in High School) (09/2011 – 06/2012) *Seattle Central Community College* |

## COURSES TAKEN:

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| Security | Operating System |
| Networks | Machine Learning |
| Artificial Intelligence | Data Structure |
| Robotics Capstone | System Programming |
| Embedded System | Object Oriented Programming |
| Computer Animation | Scientific Computing (MatLab) |
| HW/SW Interface | Foundation of Computing (logics & stats) |
| Software Design & Implementation | Hardware Design & Implementation |

## RELATED PROJECTS:

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| **OS161:** | Designed and implemented locks, conditional variables, data structures, file I/O and system calls for OS161 © |
| **Tor:** | Design and implement a simple version of Tor. (Python) |
| **Security Labs:** | Completed series of labs to attack vulnerable c programs, websites, and networks. |
| **Spectrum Observ.** | Modularize code and develop new functionality for website using JQuery and Google Map API. (07/2014 – 01/2015) Accomplishment: developed debug mode for the website which user can upload data locally or from server and display data as heatmap as well as individual point; modularized 80 percent of JavaScript code. *FuNLab at University of Washington* |
| **Pacman:** | Develop search agents, reinforcement learning agents, and other types of agents to help Pacman win the game against ghosts (Python) |
| **Trashbot:** | Designed and programmed a trashbot using turtlebot which will go toward user when user gives command. (ROS, Python) |
| **ECG:** | Implemented a heart rate monitor that is 85% accurate on heart rate detection. (SD read/write capable)(Arduino) |
| **PathFinder:** | Designed and implemented a path finding software that can calculate the shortest path from one building to another (Java) |
| **File Search:** | Implemented a file search tool that can index all text files in a given directory and allow clients to search for items online (C & C++) |
| **Y86:** | Designed an Y86 processor including all its basic functions (Verilog). |

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| **Technician:** | product provisioning, microprocessor programming (learning), and product repair. Accomplishment: repaired more than 80% of the defected products. At *GQ Electronics* (12/2013 – 07/2015) |