

# Jory Williams

jorywilliams.com  
509-941-7231  
jorycw@cs.washington.edu  
linkedin.com/in/jorycw

## SKILLS

### LANGUAGES

Java  
Python  
HTML / CSS  
JavaScript  
C / C++

### DATABASE

MySQL  
NoSQL  
AWS / Azure  
Spark  
JDBC

### TOOLS

Bash  
Git / Version control  
PyTorch  
Pandas / NumPy

## PROJECTS

- **Genetic TicTacToe Neural Network** [github.com/jorycw/Genetic-TicTacToe-NN](https://github.com/jorycw/Genetic-TicTacToe-NN)  
Applied an evolutionary strategy to TicTacToe neural networks. A generation of neural networks play games against each other, poorly performing networks are eliminated and the population is repopulated using a combination of the successful networks.
- **Campus Paths** [github.com/jorycw/CampusPaths](https://github.com/jorycw/CampusPaths)  
Using Dijkstra's algorithm, implemented a tool that finds the shortest route between two buildings on the UW campus. Implemented a graph ADT for the paths, parser for path data files, and GUI with a model-view-controller structure.

## EXPERIENCE

- **GEMSEC Research Lab** 12.2018 - current  
Designing and maintaining front-end of GEMSEC website (University of Washington)  
Working with other researchers to create an easy and efficient way to store and access experimental data
- **Jacobs Engineering Group** 06.2017 - 08.2017  
Civil Engineer Intern for Jacobs as a consultant for Washington State Department of Transportation  
Asphalt/Embankment Densities | Inspector Daily Reports | Contract Paynotes | Force Account Records  
Asst. Inspector on a drainage and paving contract, inspected asphalt, drainage, and earthwork  
Interacted daily with Prime Contractor, several Subcontractors, WSDOT Inspectors, and L&I

## EDUCATION

- **University of Washington** 08.2016 - 06.2020  
GPA: 3.36 / 4.0 | Paul G. Allen School of Computer Science & Engineering
- **Yakima Valley Community College** 08.2014 - 06.2016  
GPA: 3.69 / 4.0 | Associates of Arts while in high school | President's List for all Quarters
- **East Valley High School** 08.2012 - 06.2016  
GPA: 3.96 / 4.0 | NHS | Vex Robotics | Tennis | Cross Country | 4-H President | Jazz Band

## RELEVANT COURSEWORK

Artificial Intelligence  
Computer Security  
Data Management  
Data Structures & Parallelism  
Foundations of Computing I & II

Hardware / Software Interface  
Software Design and Implementation  
Software Tools  
Systems Programming  
Web Programming