

Jory Williams

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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
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
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** 08.2018 - 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

