

# Will Fenton

## Software Developer

Edmonton, Alberta CA

<https://willfenton.dev> [wfenton@ualberta.ca](mailto:wfenton@ualberta.ca) [\(780\) 863-5486](tel:(780)863-5486)

[willfenton](#)

Will is a third year computing science student at the University of Alberta and part time research assistant. Currently looking for a software development internship starting May 2020.

### SKILLS

#### Programming Languages

Master



python c++ java javascript

#### Frontend Web Dev

Advanced



javascript html css vue.js

#### Backend Web Dev

Advanced



flask django

#### Databases

Advanced



sql firestore orm

#### Development Tools

Advanced



git linux ci / cd testing  
nginx agile

#### Data Science

Intermediate



pytorch fastai scikit-learn  
pandas

### WORK EXPERIENCE (1)

#### Student Researcher at University of Alberta May 2019- August 2019

c++ algorithms machine learning

Researched heuristic search algorithms for the board game Amazons, supervised by Dr. Martin Müller.

- Improved an existing agent, increasing winrate by 60%.
- Developed tools for coordinating tournaments between agents, viewing game replays, automated parameter tuning, and playing against challengers online.
- Developing a new agent for the game of Amazons using deep reinforcement learning.

### VOLUNTEER

#### Vice President at UAlberta Undergraduate Artificial Intelligence Society

January 2019 - May 2021

### EDUCATION (1)

#### B.Sc Computing Science at University of Alberta

2017 - 2021

Grade: 3.91

### AWARDS

Barry J Mailloux Prize in Computing Science at University of Alberta (\$1800)

Undergraduate Student Research Award at NSERC (\$5600)

Various Scholarships at University of Alberta (\$4000)