

# Sam Moran

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## Education

**Worcester Polytechnic Institute (WPI)**, Worcester, MA

Bachelor of Science in Computer Science, GPA 3.54 / 4.0

Aug 2017 – May 2021

**Relevant Courses:** Foundations of Computer Science, Operating Systems, Database Systems, Algorithms, Computer Graphics, Introduction to Artificial Intelligence

## Projects

**smoran.dev**, Personal Project

Jun 2019 – Present

- Built personal website with Django on Heroku to showcase previous projects
- Implemented custom template tags, custom 404 page and static file serving
- Integrated WebGL shaders into generated pages for computer graphics project work

**Bombberman Agent**, Intro to Artificial Intelligence, WPI

Jan 2019 – Mar 2019

- Developed Approximate Q-Learning agent to play a simplified version of Bombberman
- Implemented agent in Python with 5 features considered for decision making
- Achieved over 90% success rate at solving levels of varying difficulty

**Schedule Manager**, Software Engineering, WPI

Oct – Dec 2018

- Developed a comprehensive meeting scheduling website alongside three teammates
- Designed MySQL database on AWS RDS, wrote and executed queries in JDBC
- Wrote 11 distinct GET, PUT, POST, and DELETE request handlers in Java as AWS Lambda functions to manipulate database

## Experience

**Student Coordinator**, Police Department, WPI

Nov 2017 – Oct 2018

- Scheduled employees to work shifts for campus safety transportation program
- Maintained bi-weekly records of employee payrolls
- Interviewed and considered new applicants for the program
- Acted as liaison between student employees and WPI Police Department
- Promoted safety transportation services via social media, table sitting and handing out fliers containing information about the program

**Group Counselor**, Hidden Valley Camp, Granite Falls, WA

Jun – Aug 2017; 2018

- Supervised groups of children ages 9-15 throughout daily camp activities, including arts and crafts, horseback riding, archery, swimming, sailing and canoeing
- Acted as a role model and maintained a positive, respectful group environment

## Leadership

**Secretary**, Men's Ultimate Frisbee, WPI

Nov 2017 – Nov 2018

**Vice President**, Men's Ultimate Frisbee, WPI

Nov 2018 – present

## Languages and Technologies

Java, Python, C, C++, SQL, Javascript, HTML/CSS, Bootstrap CSS, Vue.js, Node.js, Django, AWS(Lambda, EC2, RDS, S3), RESTful APIs, Heroku, Windows, Linux