

# Bryce Moskiewicz

---

6260 Blackstone • La Grange Highlands, Illinois • 630-670-5758 • brycemosk26@gmail.com

---

## EDUCATION

### University of Illinois at Urbana-Champaign

*Bachelor of Science in Computer Engineering*

*Graduation Date: May 2022*

***Combined GPA: 3.82***

### University of Pittsburgh

*Computer Engineering Department*

*Attended August 2018 - May 2020*

- Varsity Baseball Student-Athlete
- ACC Academic Honor Roll (3.0 GPA or better as a student-athlete in the Atlantic Coast Conference)
- Dean's list (3.25 GPA or better cumulatively)
- Term Honor's list (3.25 GPA or better in a semester)

## EXPERIENCE

### Amazon Web Services (Storage Gateway)

*May 2021 – August 2021*

Boston, Massachusetts

*Software Engineer Intern*

- Designed and developed network diagnostic tools in Bash and Java for customers to utilize on their Storage Gateways.
- Created an asynchronous multithreaded bandwidth test in Java which reports current upload/download speeds to customers.
- Designed and implemented an interface in Bash for customers to run Linux network diagnostic commands (dig, ping, traceroute, nc) from a limited shell environment.
- Developed a support tool which provides “dynamic” addition of commands to Gateways via an indicator file-drop.
- Influenced the Amazon Linux team to add the open-source EC2 Rescue For Linux package to Amazon Linux 3 on release.

### U.S. Steel

*January 2020 – January 2021*

Pittsburgh, Pennsylvania

*Software Engineer Intern*

- Created full stack web applications utilizing XML, JavaScript, and CSS for UI/UX design, as well as C#/.NET and SQL for backend development.
- Created an application which allows users to query for Shipments and Materials based on a total of 70 separate search criteria. Users can then select and compare the returned Shipments and Materials in more detail.
- Created an application which allows users to search for Referrals based on 8 separate criteria and then make changes to those referrals if they have permission to do so.
- Developed a feature within US Steel's security application which limits application access to specific teams.

### University of Pittsburgh

*August 2019 – May 2020*

Pittsburgh, Pennsylvania

*Honors Engineering Teacher's Assistant*

- Collaborated closely with the professor of an Honors Engineering course to best stimulate the growth and development of nearly 100 students each semester.
- Hosted 4 office hours every week, graded exams, quizzes, and homework, as well as occasionally gave lectures

## PROJECTS

### Personal Website

- Please visit my website ([https://brycemosk.github.io/Personal\\_Website/](https://brycemosk.github.io/Personal_Website/)) to find out more about my projects, and myself.

### Machine Learning Applied to the S&P 500

- Utilized a JavaScript library for Neural Networks as well as a library for graphing to produce a model which displays the likelihood of future increase in the S&P 500 based off of a previous decrease. I trained the model with data from various recessionary periods and the market's response over the following years.

### Smart / Magic Mirror

- A mirror which displays helpful and customizable widgets (i.e. time, date, etc.). Used Michael Teeuw's repository as well as some third-party modules for the interface, then created my own modules to display local gas prices and sports scores.

### Snake Artificial Intelligence

- Developed two working AI models to play the game of Snake. The models work by finding the shortest path, and by following a closed loop which covers every cell respectively. (HTML5, JavaScript, P5.js)

## SKILLS

- Java, C#, SQL, HTML, JavaScript, CSS, Bash, Python, C, C++, .NET, Git/GitHub