Bryce Moskiewicz

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EDUCATION

University of Illinois at Urbana-Champaign *Graduation Date: May 2022*
Bachelor of Science in Computer Engineering ***Combined GPA: 3.82***

University of Pittsburgh *Attended August 2018 - May 2020*
Computer Engineering Department

- 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 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/) 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 (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.

SKILLS

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