

Srihith S. Maraka

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EDUCATION

University of Pittsburgh

Expected Graduation December 2021

B.S Computer Engineering and B.A Economics; Major GPA: 3.94

- **Honors & Certificates:** Dean's List every semester, Blockchain Technology Certification, Data Science Professional Certification, and working towards AWS Solutions Architect Certification
- **Relevant Coursework:** Data Structures, Algorithms, System Software, Web Development, Designing Web Application, Machine Learning, Computer Vision, Software Quality Assurance, Computer Architecture, Linear Algebra
- **Extracurriculars:** Triangle Fraternity (Treasurer), CS Club, and Real Estate Investing Association

WORK EXPERIENCE

Capital One

June 2020 – August 2020

Card Technology - Software Engineer Intern

McLean, VA

- Full stack development of a Jira(Agile task manager) dashboard, using Angular and Spring/Java, that allows tasks to be assigned automatically, allows for a simpler view of all outstanding tasks, and integration with Slack, which saves 100s of hours in management work per month.

Vanguard

June 2019 – August 2019

Global Business Solutions - Software Engineer Intern

Malvern, PA

- Developed a scalable virtual assistant, using AWS and Python, which answers questions about US markets and Vanguard account information by using machine learning, which decreased call volume by 17%.
- Led front end development of a web application, using Angular and Neo4j, that allows employees to post reviews of the cafeteria's food on Vanguard's campus.

Penn Medicine

June 2018 – August 2018

Security - Software Engineer Intern

Lancaster, PA

- Full stack development of a risk engine, using C#, that alerts administrators about high risk users on the network and created a front end analytics dashboard to view the data, stored in a SQL database, which decreased high risk web traffic by 57% and received an award for most innovative project of the year at Penn Medicine.

PROJECTS

- **COVID-19 Predictor:** Built a machine learning model, using MATLAB, to predict the spread of COVID-19 and created a front end dashboard, using React, to visualize the data.
- **Facial Recognition:** Developed facial recognition program, using MATLAB, with an average accuracy of 98%.
- **D3 Gantt Chart:** Built a Gantt chart plugin, using D3 and JavaScript, to simplify displaying tasks on a web app.
- **One Click Delivery:** Created a Python script using Selenium and an iOS app to order food from many restaurants with one click.
- **The Importance of Blockchain:** Wrote a professional paper about the uses of Blockchain and its benefits, and presented it during an engineering conference, of 600 people, at the University of Pittsburgh.
- **Excel Merger:** Developed a Windows application, using C#, that combines multiple excel files and exports it as a single file.
- **Maze Solver:** Developed a Java application that solves a maze and dynamically visualize it using a GUI.

SKILLS & INTERESTS

- **Skills:** AWS, Java, C#, C++, Python, Angular, React, SQL, Git, Unix/Linux, HTML, CSS, JavaScript/TypeScript, PHP, MATLAB, REST APIs, Maven, Spring, D3, and Jenkins
- **Interests:** Machine Learning, Investing, Personal Training, Nutrition Science, Cooking, and Tennis

References available upon request