

MATTHEW FALZON

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EDUCATION

University of Maryland

B.S. Computer Science, Data Science Concentration, *GPA: 3.71*

College Park, MD

Aug 2018 - May 2022

- Innovation and Entrepreneurship Minor
- Alpha Lambda Delta Honor Society

Relevant Coursework

Object-Oriented Programming · Computer Systems · Programming Language Technologies and Paradigms · Algorithms · Data Science · Advanced Data Structures · Computer & Network Security

WORK EXPERIENCE

UMD Federal and Global Fellows

Full Stack Developer

College Park, MD

Feb 2020 - Present

- Responsible for developing the program's student portal and administrative tools including managing a MySQL based relational database
- Redesigned the entire front-end for the student portal and admin portal in React.js
- Used PHP to create an API which connects 250 users and 8 administrators with their respective portals, and provides them with the tools they need to partake in the program

Atlassian

Software Engineer Intern

Remote

May 2021 - Aug 2021

- Developed the Confluence Cloud app for Microsoft Teams using React.js, Node.js and a DynamoDB based NoSQL database
- Designed and implemented the comments section functionality for pinned Confluence pages within Microsoft Teams using Confluence Cloud's web API
- Used AWS to deploy an SQS queue and worker which listens to and processes events from Atlassian's internal event bus

SPS Consulting

Full Stack Developer

Remote

June 2020 - Aug 2020

- Developed the Blink Resume Progressive Web App (PWA) to create individualized video resumes
- Designed UI and UX then implemented the interface with React.js which connects to a web API using Node.js and communicates with Google Firebase

SKILLS

Programming Languages:	Java, Python, C/C++, Javascript, HTML/CSS, PHP, SQL, OCaml
Web Development:	React.js, Node.js, Typescript, Bootstrap, Webpack, AWS, MongoDB
Data Science:	Numpy, Pandas, Matplotlib, Scikit-learn, Seaborn, Natural Language Toolkit

PROJECTS

Personal Website *React.js*

<https://mgfalzon.github.io/portfolio>

My JSON based portfolio website which showcases all my projects.

Pokémon Machine Learning Tutorial *Python*

<https://mgfalzon.github.io/pokemon-ml>

A Jupyter Notebook which explores the relationship between pokémon characteristics and win percentage. The notebook predicts pokémon battles with up to 88% accuracy using various machine learning models.

ORGANIZATIONS

International Economics and Finance Society

VP, VP of Content, Content Committee

- Responsible for overseeing all 5 committees, directing the content and events committees, implementing new initiatives and advising the president
- Led a team that gave weekly presentations on current events and topics in economics and finance

Calisthenics Club

Trainer / Member

Phi Kappa Psi Fraternity

Philanthropy Chair, Professional Development Chair