

Evan Devore

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EDUCATION

University of Maryland - College Park, MD

Anticipated May 2022

Bachelor of Science, Computer Science

GPA: 3.83

Minor: Statistics - Dean's List: Fall 2018, Spring 2019, Spring 2020

PROFESSIONAL EXPERIENCE

Appian, *Cloud Software Engineering Intern*

Anticipated Summer 2021

Cognosante, *Data Science Intern*

June 2020 – August 2020

- Implemented a custom **Docker** development using **Azure Cloud Services**, **JupyterHub**, and **Anaconda** technologies, reducing the team's cloud resource usage by \$10,000 per year
- Conducted exploratory data analysis using **Azure Functions**, **Queue and Blob Storage**, **Web Scraping**, and **Vaex** to determine the current workflow's storage limitations
- Deployed machine learning models to Production phase using **Apache Spark**, **Flask**, and **Azure Container Instances**
- Explored migration from JSON-driven workflow to **Apache Airflow** workflow manager
- Developed software using **Agile** methodology and **JIRA** storyboarding / reporting software

PERSONAL PROJECTS

Voting App, *Web App Development*

August 2020 – December 2020

- Developed voting app using **Flask**, **Python**, and **Bootstrap HTML**
- Automated deployment using **Heroku** and **GitHub**, can be found at <https://go.umd.edu/edevore-flickers>

Sports Jeopardy Game, *Amazon Alexa Software Development*

August 2017 – May 2018

- Engineered Alexa Skill in **Java** using **AWS Lambda** functions and **HTTP requests**
- Stored query data in an **AWS DynamoDB** NoSQL database for a 'search history' feature
- Utilized **Natural Language Processing (NLP)** tools to assist user in making queries

COURSEWORK & RESEARCH

Concurrency Fundamentals, *Java Programming Course*

August 2020 – December 2020

- Applied **Akka Clusters** and **Message Passing Interface (MPI)** technologies for scalable distributed systems
- Employed **Apache Hadoop** for highly performant Map Reduce search

Data Science Fundamentals, *Python Programming Course*

January 2020 – May 2020

- Practiced data wrangling techniques such as **entry resolution** and **missing data imputation**
- Applied modeling techniques such as **regression**, **k-nearest neighbors**, and **clustering**

Machine Learning Research, *Python Research Experience*

January 2019 – May 2019

- Programmed a **Mask R-CNN** neural network model in **Python (sklearn, numpy, pandas, Jupyter Notebooks)**
- Practiced **data cleaning**, **augmentation**, and **upsampling** techniques to train a semi-supervised model
- Submitted research paper to the 2019 DAVIS Challenge

Other Coursework: Algorithms, Data Structures, Machine Learning Fundamentals, Object-Oriented Programming

SKILLS

Programming Languages: Python, Java, SQL, C, R, MATLAB, JavaScript, HTML, CSS

Concepts: Machine Learning, Data Science, Cloud Computing, Event Driven Architecture, REST API, Agile

Frameworks and Technologies: Docker, AWS / Azure, Jupyter, Flask, Spark, Airflow, Git, Linux, Anaconda

Certifications: Microsoft Technology Associate in SQL, Lean Six Sigma Yellow Belt

LEADERSHIP EXPERIENCE

Sigma Alpha Mu Fraternity, *External Social Events Chair*

January 2019 – Present

- Coordinating 25+ events per semester with other organizations within UMD's Greek community