

Evan MacGregor

Software Engineer

Diligent innovator, in search of my next challenge.

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EDUCATION

B.S in Computer Science, Math Minor Cum Laude Graduate

University of Delaware

08/2017 - 12/2020

GPA: 3.87

RELATED EXPERIENCE

Undergraduate Teaching Assistant

University of Delaware Computer Science
Department

08/2018 - 12/2020

Achievements/Tasks

- Helped students understand complex programming concepts by explaining them in simple terms.
- Debugged students code and provided constructive criticism to teach best programming practices.
- Collaborated with the professor to develop automatic testing software.

Contact: Terry Harvey - tharvey@udel.edu

Full-Stack Software Developer

University of Delaware History Department

08/2020 - 12/2020

Achievements/Tasks

- Worked in an Agile environment to develop a virtual museum.
- Engaged with the client to better understand the user needs and developed robust software solutions.
- Implemented a user-friendly and scalable search feature that uses autocomplete, fuzzy search and local caching.
- Developed a secure comment section that uses spam and profanity filtering to ensure that content is appropriate.
- Deployed our project to an AWS EC2 instance.

Contact: Cindy Ott - cott@udel.edu

SKILLS

Python

JavaScript

TypeScript

SQL

Java

C

C++

R

Linux

MongoDB

AWS

PostgreSQL

Tensorflow

Angular

OpenCV

Nodejs

Git

PERSONAL PROJECTS

Smart Bird Feeder (06/2020 - Present)

- Uses machine learning and image processing to determine the species of the birds that visit the feeder.
- Developed a cross-platform app that displays live video feed and stored bird videos along with predicted species and API provided facts.
- Gained practical experience developing a full-stack environment from the ground up.
- Prioritized scalability and resource efficiency on a computationally expensive workload.

Road Trip Planner (10/2020 - 12/2020)

- Developed a road trip planner that is tightly integrated with the Google Maps API.
- Users can add stops, plan and optimize their route, and pin points of interest.
- Constructed a sleek and reactive user experience using modern web technologies.
- Designed an extensible and efficient backend to store and retrieve user data.

LANGUAGES

English

Native Proficiency

Spanish

*Professional Working
Proficiency*

INTERESTS

Rock climbing

Hiking

Skiing

Tennis