

Edward (Eddie) Hatfield

Tufts University, Medford, MA 02155 | github.com/deadbird11

EDUCATION

Tufts University, School of Engineering – Medford, MA, Expected May 2023

- Declared B.S. in Computer Science, intend to double major with Applied Math
- Cumulative GPA: 3.75
- Coursework: Linear Algebra, Set Theory, Numerical Linear Algebra, Data Structures, Algorithms, Discrete Math

Sinclair Community College – Summer 2019

- Calculus III

WORK EXPERIENCE

Discover Technologies: Summer Intern – Remote, April 2020 – August 2020

- Worked full-time as the lone developer on a small team tasked with bringing our flagship application to mobile using the ServiceNow Now platform, involving managing a relational database structure, centralizing business logic to run the same code on both mobile and browser, going to sales meetings as a developer to display our progress to clients, and meeting daily with both sales and requirements engineers to iron out our objectives in a time-sensitive, low-certainty environment
- With minimal supervision, I surpassed our goal of creating an app purely for demo purposes and instead fully realized our team's vision well before the deadline which allowed me to write company blog posts detailing what it takes to create a mobile app on the Now platform and tricks that I came across, along with documentation for future maintainer's of the mobile app
- Created client-facing wrappers around the codebase of one of Discover's other applications to simplify its use and to make it available in ServiceNow's Flow Designer platform, which involved recording various demos and meeting with the original developers to effectively offer every feature in an intuitive way

Discover Technologies: Summer Intern – Remote, June 2019 – August 2019

- Worked full-time using the ServiceNow platform to create widgets that added functionality to our client's application, such as a widget that tracks page navigation and a widget that displays other widgets inside a pop-up panel
- Presented weekly on progress to the Requirements, Quality Assurance, and Sales teams and participated in daily scrum meetings
- Used Excel to create spreadsheets and track the app's current behavior to update how well the roles and permissions were matching our requirements, then used this data to create a quick solution in time for our app's release

SKILLS AND ACTIVITIES

Programming Languages/Technologies

- Experience with Go, JavaScript, React, CSS, HTML, SQL, PostgreSQL, Python, Flask, and Docker
- Experience with MATLAB, TensorFlow, NumPy, and common data science algorithms including neural networks
- Experience with Java, C++17, OpenGL, and GLSL

Tufts Math Society – Executive Board, September 2019 – March 2020, President March 2020 - Present

- Meet weekly to plan club events and discuss budget
- Communicate with professors, guest speakers, and the Tufts alumni network
- Procure excellent online math content to spark our club member's interest

PERSONAL PROJECTS

Personal Website (eddiehatfield.com)

- Built a stylish static portfolio using GatsbyJS, React, GraphQL for image loading, along with CSS and HTML/JSX

QuiQuiz – Simple Quiz Web-App

- React frontend that utilizes the React Hooks API to update content dynamically
- Go + PostgreSQL backend that uses the MVC design pattern to compartmentalize business logic, database access, and navigation

MNIST Generative Adversarial Network (GAN)

- Used TensorFlow and various academic papers to design a GAN that produces images of handwritten digits