

EDUCATION

The College of New Jersey, Honors Program

August 2019 - PRESENT

B.S. Computer Science 2023, Interactive Multimedia Minor

GPA: 3.961

Computer Science Sophomore Award

Skills: Java, C++, C, Python, R, Swift, SQL, HTML, CSS, C#, Data Structures, Algorithms, Database Systems

EXPERIENCE

American Express - Software Engineer Intern

June 2021 - PRESENT

- Created 4 Rasa bots in Docker containers that make payments and other transactions in response to Alexa intents
- Coded custom actions for Rasa in Python that make HTTP requests to an external server
- Created stories in Rasa to trigger appropriate responses and actions to intents
- Implemented a custom input channel that gets the user's intent and metadata from a POST request
- Implemented a custom output channel that sends back a JSON response in the desired format
- Achieved 100% coverage when writing unit tests using Pytest and mocked external function calls
- Won 3rd place in Intern Coding Challenge

The College of New Jersey - Mentored Undergraduate Researcher

February 2021 - PRESENT

- Shadows ongoing full stack mobile application project supporting TCNJ's recycling and environmental initiatives
- Works with other mentees on backend support, front end mobile app, and front end web-based admin portal

The College of New Jersey - Computer Science Tutor

September 2020 - PRESENT

- Relies on strong content knowledge to help tutees in Data Structures, Computer Architecture, and Algorithms

Black Rocket - Assistant Instructor

May 2020 - August 2020

- Taught students Python, HTML/CSS, and JavaScript and prepared coding related projects to present to class

ACTIVITIES

Kappa Theta Pi - Co-Ed Professional Technology Fraternity

February 2020 - PRESENT

- Director of Finance
 - Manages funding and expenses for the fraternity's events and supplies, and calculates and collects dues
- Fundraising Chair
 - Implemented and organized fraternity's fundraising events
- Emerging Leader Award

December 2020

The Association for Computing Machinery - HackTCNJ Director of Sponsorship

August 2019 - February 2021

- Led sponsorship initiative, including reaching out to and maintaining a relationship with interested companies

PROJECTS

Trentoniana Redesign Project

February 2021 - May 2021

- Full stack web development project to redesign the Trentoniana website's outdated database and front end
- Allows users to filter through and search for recordings and login and modify the PostgreSQL database using forms
- Created views and sets of queries to meet user needs and transaction requirements using SQL
- Used HTML, CSS, and Flask to create a front end and connect it to the database

Engauge - Cisco Webex Virtual Hackathon, 3rd Place Category

December 2020 - January 2021

- Created Engauge, a tool that provides audience analytics for the presenter so that the presenter can dynamically change their presentation styles and increase engagement
- Used Microsoft Azure's Custom Vision to create and train a machine learning model that determines whether or not a person is paying attention
- Used HTML, CSS, and Javascript to implement a front end that demonstrated our machine learning model

Recipes for Cancer Patients - HackDown 2020, Best Overall Hack

October 2020

- Front end project that allows the user to fetch and filter recipes based on meal type and various ingredients that are beneficial to cancer patients
- Used HTML, CSS, and Javascript to build the front end and incorporated the spoonacular API in order to filter recipes based on user specifications