EMILY TRONOLONE

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Awards and Honors

Dean's List (Spring 2019, Fall 2019)

Rutgers School of Arts and Sciences Honors Program

Henry Thomas Memorial Scholarship

Skills

PROFICIENT
Java
C
Vim
Sublime
Microsoft Office
Social Media Platforms

FAMILIAR WITH
MATLAB
Wolfram
Assembly
HTML
Marketing

INTERESTS/HOBBIES
Software Engineering
Application Development
DevOps
Investing
Finance
Hackathons
Bass Guitar

Relevant Coursework

Data Structures
Spring 2019

Calculus II
Spring 2019

Computer Architecture
Fall 2019

Linear Algebra
Fall 2019

Systems Programming
Current

Discrete Structures II
Current

Education

Rutgers University-New Brunswick — Sept. 2018 - May 2022
B.S. Computer Science
Minor in Business Administration
GPA: 3.5

Work Experience

Verizon
Incoming Software Engineering Intern — June 2020 - Aug. 2020
•Set to work on software development using Python, Ansible, and MySQL during this 10-week internship.

Corporal Kevin James Reinhard, USMC Memorial Fund
Web Designer/Donations Manager/Volunteer — Aug. 2014 - Present
•Created a website (inmemoryofkevin.org).
•Currently manage the website, donations, and organization email.
•Helped expand this scholarship to my high school.
•Volunteer for their annual charity event.

Selected Projects

Swiper No Swiping | HackRU Fall 2019 Winner - Best Use of Twilio API — Oct. 2019
•Developed an app intended to help solve food insecurity at Rutgers by allowing students to transfer their leftover meal swipes.
•Created with Android Studio, Java, Python, the Twilio API, and Firebase.
•Contributed by coding location services into the app which allowed the app to find an Android device's current location and return the coordinates.
•Location data constantly ran in the background and updated in the app's database.

Hexadoku Solver and One-Shot Learning — Oct. 2019
•Used the C programming language to create a program that can solve a hexadoku puzzle, an extension of soduku that uses a 16x16 grid of hexadecimal digits.
•Used the C programming language to make an ML/AI algorithm that predicts house prices based on historical data.

YouTube Comment Sentiment Analysis | HackRU Spring 2019 Winner - Best Use of Wolfram Language — Mar. 2019
•Analyzed comments of a YouTube video using the Wolfram coding language, Python, and a YouTube API.
•Worked by inputting the link of a YouTube video, scanning the comments, and analyzing the context of them.
•Results were stored and used to create visual data charts representing the overall "positivity" of the video.
•Partook in using the Wolfram programming language to display data analysis on various diagrams including pie charts and graphs.

Activities

Women in Computer Science (WiCS) — Sept. 2018 - Present

Undergraduate Student Alliance of Computer Scientists (USACS) — Dec. 2018 - Present

SAS Honors Program Ambassador — Feb. 2019 - Mar. 2020

SAS Honors Program Peer Mentor — Apr. 2019 - Present
Mentor of two freshmen interested in a computer science major.

Alpha Omega Epsilon — Sept. 2019 - Present
STEM-interest professional sorority.

Rutgers IEEE — Sept. 2019 - Present

BUILT BY GIRLS · WAVE Advisee — Mar. 2020 - Present

Rewriting the Code — Mar. 2020 - Present

HackHERS Organizer
2019: Experience Organizer
2020: Marketing Team