

CHRISTINE MATHEWS

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EDUCATION

RUTGERS UNIVERSITY

B.S. in Electrical & Computer Engineering

B.A. in Computer Science

Engineering Honors Academy

Expected: May 2022 | N Brunswick, NJ

Cum. GPA: 3.880/4.0

MIDDLESEX ACADEMY

Electrical & Computer Engineering

GPA: 3.9/4.0

SKILLS

LANGUAGES

Java • Python • C++ • Matlab

HTML • CSS • JavaScript • C

PostgreSQL • Assembly • JSON

FRAMEWORKS

Flask • Bootstrap • Django

TECHNOLOGIES

Git • Linux • Arduino • Raspberry Pi

COURSEWORK

UNDERGRADUATE

Linear Algebra

Data Structures

Computer Architecture

Systems Programming

Design & Anal. of Comp. Algorithms

Web Programming w/ Python and JS*

Intro to AI with Python*

Discrete Mathematics

Probability & Random Processes

Principles of Electrical Engg. I & II

Digital Logic Devices

Linear Systems & Signals

Electronic Devices

*Harvard CS50 course

LINKS

Website:// christinem61.github.io

LinkedIn:// christinem61

Github:// christinem61

EXPERIENCE

UBER | Incoming Software Engineer Intern

May 2021- August 2021 | San Francisco, CA

VIZLAB | Undergraduate Research Assistant

January 2021 - Present | Rutgers University

- 3D visualization and feature tracking/extraction to characterize mesoscale ocean eddies using JavaScript API: WebGL

MY PEAK SCORE | SAT Tutor

January 2020 - Present | NJ

- Conducting personalized one-on-one sessions for the SAT Reasoning Test resulting in significant score increases, strong study behaviors and increased tutee engagement

WINLAB | Research Intern

May 2019 - August 2019 | Rutgers University

- Developed an activity recognition system using Texas Instruments' mmWave radar (operated in Matlab)
- Implemented machine learning algorithm to detect activities/gestures using Python (Keras, Scikit-learn, and NumPy)

PROJECTS

WHERE'S THE FILE?

- Designed server-client version control system in C and utilized sockets, file I/O and multithreading to execute common commands (checkout, push, commit, rollback, etc.)

SPOTIFY AUTOMATION

- Developed a script in Python that retrieves liked videos from YouTube and generates a Spotify playlist of those liked songs
- Implemented Spotify API and YouTube Data v3 API

FLACK

- Coded an online real-time messaging service similar to Slack where users can sign in, create their own channels/chatrooms, join existing channels, and private message users
- Developed using websockets in Python (Socket.IO), JavaScript and HTML5/CSS3

INFIX EXPRESSION EVALUATOR

- Calculator that solves complex infix expressions including variables in Java
- Used recursion, stacks and other data structures to determine and print answers

EXTRACURRICULARS

AT&T | Summer Learning Academy Externship

- Refined technical skills and business acumen in areas of project management, leadership, machine learning & AI
- Expanded professional development skills such as personal branding, time management, and networking

JPMORGAN CHASE & CO | SWE Virtual Experience

- Participated in open access virtual program & became familiar with JPMC frameworks