

Caleb Panoch

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EDUCATION

Master of Science in Computer Science (December 2024) *Florida Atlantic University (Boca Raton, FL)* GPA: 3.9/4.0

Bachelor of Science in Computer Science (December 2023) *Florida Atlantic University Boca Raton, FL* GPA: 3.95/4.0

RELEVANT COURSEWORK

Introduction to Programming, Foundations of Computer Science, Introduction to Internet Computing, Data Structures, Microprocessor Systems, Computer Operating Systems, Theory of Computation, Cloud Computing (with CI/CD).

TECHNICAL SKILLS

Languages: C/C++, Python, SQLPLUS, LUA

Web Development: HTML5, JavaScript, CSS

Operating Systems: Windows, Linux

Software: MS Office, Visual Studio

WORK EXPERIENCE

Technical Support Specialist (August 2018 – Present), Gary Panoch Funeral Home & Cremations (Boca Raton, FL)

- Provide technical support and information about computer and tablet devices
- Set up live streaming service for families at home during the pandemic

Teaching Assistant (January 2024 – May 2024), Theory of Computation with Professor Tami Sorgente, Florida Atlantic University, College of Engineering and Computer Science (Boca Raton, FL)

- Taught students how to create non/deterministic functional automata, Turing machine diagrams, and regular expressions.
- Graded assignments of these subjects for students.

Machine Learning Internship Research (May 2023 – August 2023), Florida Atlantic University (Boca Raton, FL)

- Worked with Dr. Zhen Ni to predict future energy usage of smart buildings based on previous recorded data using different Machine Learning techniques.

Math Tutor (January 2022 – May 2022), Math Learning Center at Florida Atlantic University (Boca Raton, FL)

- Aided students who needed help with math problems related to Precalculus, Trigonometry, and College Algebra.

PROJECTS

Autonomous Receptionist Robot Dog:

- Installed facial recognition python packages on a robot dog that can retrieve your appointment information from a database. Then the robot dog leads you to your appointment location.

FAU Social Board: github.com/calebpanoch/cen4010_spr23_g20

- Created a social board for FAU students to make posts about things related to FAU. The application allows users to sign up/login and show the recent feed of posts on the home page. Used HTML, CSS, and JavaScript in this project.

JPG Image Sharing Website Using CI/CD:

- Used Google Cloud services to deploy our image sharing website. Used Google buckets for image storage and Google datastore to save the metadata of the image. Utilized Back4App for user encrypted login and session handling.

Multi-Party Computation Intersection:

- Created a GUI that connects to another GUI instance of the same project. These instances communicate list names without revealing the actual names by using Multi-Party Computation to compare common names.

EXTRA-CURRICULAR

Member of National Scholars of Collegiate Society