LAURENCE R. MULLEN

laurencemullen99@gmail.com | laurencem.online
(954) 348-0238 | github.com/Laurence-RM
Brooklyn, NY | linkedin.com/in/laurence-mullen

EDUCATION

Bachelor of Science in Computer Science, Cum Laude

University of Florida, Gainesville, FL   **April 2022**

- Minor in Environmental Science
- Cumulative GPA: 3.8/4.0
- Notable courses include Data Structures and Algorithms, Networking, Databases, Data Science, Design Patterns and OOP, Computer Security, Statistics, Numerical Analysis, and Performant Programming in Python

NOTABLE SKILLS

- Substantive experience using C++, C, Java, Python, Julia, SQL, JavaScript, MatLab, and HTML/CSS
- Experience working with APIs, Linux, Git, Docker, Ansible, Nginx, and managing a server
- Confident in writing ability and proficient at creating quality documents with Excel and Word
- Skilled and persistent at identifying issues and creating solutions, utilizing advanced research and analytical skills
- Leadership and management skills as an Eagle Scout

PROJECTS

Symmetric Knee Implant Analysis Plugin for Joint Track Auto

Symmetry Trap Tool – Senior Project – UF BRIO Lab   **January-April 2022**

- Created a GUI plugin to aid research in Automated Model-Image Registration of Joint Kinematics
- Written in C++ utilizing Qt, VTK, OpenCV, cuDNN, libtorch/PyTorch
- Replaced a brute force algorithm, using linear algebra concepts, reducing runtime to 1.5% of previous time
- Created quality UML diagrams, documentation, and presentations

Simulated Full-Stack Software Engineering Experience

Activist Agenda – Software Engineering Final Project   **June-August 2020**

- Collaborated in a team to develop a web application in support of Black Lives Matter movement
- Built using MERN stack (MongoDB, React, Node.js) and deployed on Heroku
- Utilized Agile development methodology and organized sprints for both Frontend and Backend teams
- Gained experience writing documentation and communicating effectively with a client

EXPERIENCE

Freelance Website Developer

Fort Lauderdale, FL   **August 2018**

- Developed modern websites tailored to meet needs of clients
- Built from scratch using HTML, JavaScript, and CSS
- Gained experience deploying and maintaining a site on WordPress

Smart and Healthy Vending

Team Manager – Fort Lauderdale, FL   **November 2016 – June 2018**

- Oversaw daily duties of 5 employees
- Managed inventory and purchased new stock
- Placated customer concerns and assisted in stocking machines at three different locations