

Aung Kaung Myat

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EDUCATION

University of Washington

Seattle, WA

Bachelor of Science in Computer Engineering

September 2020 – June 2024

- GPA: 3.7
- Relevant Coursework: Data Structures & Parallelism, Scientific Computing, Hardware/Software Interface, Foundations of Computing I, System and Software Tools, Calculus I, II, III

TECHNICAL SKILLS

Languages: Java, Python, C, PostgreSQL, JavaScript, HTML/CSS, Dart

Frameworks: React, Node.js, Flask, JUnit, Material-UI, Django, Bootstrap, Flutter, Tkinter

Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, PSoC Creator

Libraries: pandas, NumPy, Matplotlib

EXPERIENCE

Undergraduate Research Assistant

September 2021 – Present

University of Washington

Seattle, WA

- Working to help reduce poor stoma fits for ostomates by using LiDAR scanning and processing with machine learning algorithms from latest iPhone to produce a better fit.
- Implemented front-end for mobile application using Flutter, Dart, Git, Firebase in support, help, and scanning pages.
- Worked on using open-source modelling software to find better calculate ostomate fits and implementing intermediary machine learning algorithms to create final model.

Embedded Software Engineer

September 2020 – September 2021

Husky Robotics

Seattle, WA

- Implemented embedded program in C for the power distribution circuit board using PSoC Creator
- Learnt CAN protocol basics, reviewed existing codebase, and ensure integration of the power distribution board with the rest of the hardware system and communication with other firmware
- Analyzed circuit schematics in order to draft and test finite state machines using Verilog and C.

PROJECTS

Quantitative Stock Modelling | *Python, Numpy, SciPy, MATLAB, Tkinter, REST API*

January 2022 – Present

- Developing desktop app with Tkinter for the graphic user interface.
- Implemented the Black-Scholes-Merton model to predict call and put options for stocks using Polygon API
- Visual analysis and computation using SciPy, Numpy, and MATLAB

Stoma Mobile App | *Flutter, Dart, Firebase*

November 2021 – Present

- Collaborating with team on a Stoma-scanning mobile app to scan stomas with the front-facing camera of phones equipped with LiDaR technology
- Developing front-end of application using Dart and Flutter
- Working on backend using Firebase and SQL to store scanned data.

CLUBS & AWARDS

Awards: Finalist for MoCOM E-Commerce Innovation Challenge, Dean's List (2020-2022),

Clubs: UW Blockchain Club, UW Algorithmic Trading Club (Officer)