# Aung Kaung Myat

206-532-5333 | akmyat14@cs.washington.edu | github.com/akmyat14 | https://akmyat14.github.io/

## 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, PostgresSQL, 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*
- Deploying application 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.
- Extrapolated from 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*
- Coded embedded program in C for the power distribution circuit board using PSoC Creator in collaboration with a team of 3 engineers.
- Mastered CAN protocol basics, debugged existing codebase, and integrated the power distribution board with the rest of the hardware system for rover with electronics team of 12 members.
- Analyzed and tested circuit schematics in order to draft and test finite state machines using Verliog 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.
- Assembled the Black-Scholes-Merton model to predict call and put options for stocks using Polygon API to analyze up to 5,000 stocks from 16 exchanges.
- Visualized data and analysis with computation using SciPy,Numpy, and MATLAB

**Stoma Mobile App** | *Flutter,Dart,Firebase* — November 2021 – Present
- Collaborating with team of 5 engineers 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 with user-facing pages like support and forums.
- Streamlining back-end 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)