

Aaron Cheng

 ChengAaron |  Aaron Cheng |  cheng.aaron@proton.me |  Website

SKILLS

Software	Microsoft Suite (Word, Publisher, Excel, PowerPoint, Access, PowerBI) Google Workspace (Sheets, Docs, Slides) Misc (Arch Linux, Windows, Figma, Git, Jupyter Notebook)
Programming	Java, Python, JavaScript, Dart, MATLAB, SQL
Frameworks	Flutter, Flask, Tailwind
Libraries	React.js, pandas, Matplotlib

EDUCATION

Bachelor of Arts, Information Technology at **York University**

2022 - Present

Relevant Courses Taken: Introduction to Data Science, Applied Data Communications and Networks, Using and Designing Database Systems, Systems Analysis and Design, IT Project Management, IT Risk Management

PROJECTS

Rice Analysis

- Led and managed a comprehensive team research project utilizing **MATLAB** to analyze scientific data sets on the Cammeo and Osmanic rice species
- Developed code to clean, preprocess, and transform a large dataset of over 3,000 data points, increasing accuracy of analysis by removing outliers and incomplete data points leading to improved accuracy and reliability in the analysis
- Performed A/B tests on variables to validate hypotheses and test various variables, ensuring the precision of findings and correlations

NYC Business Project

- Led collaborative team research project analyzing NYC demographic data of over 300,000 unique data points, extracting valuable insights to inform data-driven decisions
- Utilized data cleaning and transformation techniques on NYC economic datasets using **pandas** and other data visualization tools for data analysis in graphical form

Morse

- Awarded the hardware category prize at Surfs Up Hacks 2021, out of over 75 teams developing an app enabling input in Morse code
- Designed a custom input device utilizing **Raspberry PI**, incorporating hardware and software integration to facilitate Morse code communication and implemented WebSockets to enable data exchange between server and front-end application

Pype

- Developed an interpreted programming language using **Python** as a project entry for Ctrl+Hack+Del at York University, showcasing a deep understanding of language design and implementation
- Designed and implemented a custom language parser and associated methods, enabling the execution and interaction with the language through a front-end **Flask** terminal, providing a user-friendly demonstration environment

EXPERIENCE

Nike, Back of House Associate

2024 - 2025

- Prepared product and stock shipments in a quick and efficient manner within a team environment, ensuring a clean and organized work area in back of house