Aaron Cheng

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TECHNICAL SKILLS

Languages: Python, SQL, DAX, MATLAB, Java, JavaScript
Frameworks: React, Node.js, Flask, JUnit, WordPress, FastAPI, Selenium
Libraries: pandas, NumPy, Matplotlib, BeautifulSoup4
Software: PowerBI, Excel, Word, PowerPoint, HaloITSM, Zoho Desk, Figma, Git, Jupyter, Arch Linux

EDUCATION

York University   Expected Aug 2026
Bachelor of Arts in Information Technology   *Toronto, ON*

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

EXPERIENCE

Information Technology Assistant   Apr. 2025 – Present
York University   *Toronto, ON*

- Provided customer service to student and faculty population of over 5000 through **Zoho Desk** and **HaloITSM** ticketing software, resolving user requests, inquiries, and incidents efficiently within an academic environment meeting SLA requirements
- Assisted in imaging devices for faculty and staff use, fixing software issues and wiping user data, allowing for continued reuse saving the school $2000 per device

PROJECTS

NYC Amusement Park Analysis ⬈ | *Python, Pandas, Matplotlib, Anaconda, Jupyter*

- Led collaborative team research project analyzing NYC demographics and Airbnb data of over 2,000,000 unique data points, extracting valuable insights to inform data-driven decisions
- Utilized data cleaning and transformation techniques on NYC economic datasets using **pandas**, **Matplotlib** and other data visualization tools for data analysis in graphical form

F1 Dashboard ⬈ | *PowerBi, DAX, Excel*

- Built interactive dashboard to provide graphical analysis of the 1950 to 2024 seasons in F1 racing, analyzing quantitative metrics such as driver and team points, lap times, and race results
- Utilized **DAX**, **Excel** and **Power Query** to create excel spreadsheets for greater analysis and advanced visuals such as ArcGIS maps

Rice Analysis | *MATLAB*

- Led and managed a comprehensive team research project utilizing **MATLAB** to analyze scientific data sets on the Cammeo and Osmancik rice species
- Developed code to clean, pre-process, 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 to validate hypotheses and test various variables, ensuring the precision of findings and correlations

Pype ⬈ | *Python, Flask*

- Developed an interpreted programming language using **Python** as a project entry for Ctrl+Hack+Del at York University, showcasing an 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