Austin Huang

im@austinhuang.me • GitHub @austinhuang0131 • /in/austinhuang0131 • https://austinhuang.me

Skills

Software Engineering:	Java (Android, Kotlin), JavaScript (Web, Node.js), PHP, C
Data Science:	Python (NumPy, Tensorflow, PyTorch), R, MATLAB
Programming Tools:	Git, Docker, Bash, VSCode
Spoken Languages:	English (fluent), Mandarin (native), French (intermediate)
Interests:	Open Source (contributions & support), Data Privacy, Software Engineering

Education

Bachelor of Science in Statistics and Computer Science; minor in Finance — Aug 2021 - Apr 2024
McGill University, Montreal, QC, Canada
- GPA: 3.76/4.
- Obtained A for statistics and machine learning courses.

Diploma of College Studies in Pure & Applied Science — Aug 2019 - Jun 2021
Marianopolis College, Westmount, QC, Canada
- Graduated on Honour Roll with 2 Dean's List mentions.

Personal Projects

Barinsta *Open Source Instagram client on Android, Java/Kotlin* — Jul 2020 - Jul 2021
- Designed and promoted the app as **a privacy-respecting alternative** to access Instagram.
- Collaborated with a professional Android developer to further develop the project.
- Received **1000+ GitHub stars** and was **placed in GitHub Trending multiple times**.

STM Shuttle Tracker *GTFS Data Interpreter, HTML/Node.js* — February 2020
- Created a web app that allows students to **track real-time locations** of their school shuttle buses, in response to a student union's concern of public transport reliability.

Work Experience

Course Assistant at McGill University — Sept 2022 - Apr 2023, Sept 2023 - Apr 2024
- Support students in an introductory computer science course by holding office hours and writing scripts for evaluating assignments.
- Support students in several advanced statistics course by providing timely feedback on their assignments.

Research Experience

A Literature Review on Consumer Adoption of Privacy-Enhancing Technology — Sept 2023 - Dec 2023
Supervisor: Prof. Jin L.C. Guo and Prof. Martin Robillard, McGill University
- Developed a criteria to choose an academic search engine that is privacy-preserving while remaining useful.
- Through a literature review, summarized common factors that consumers consider when adopting new PETs, as well as how various PETs perform on those factors.

Mapping the BBP transition for 2 layer linear networks — May 2023 - Aug 2023
Supervisor: Prof. Elliot Paquette, McGill University
- Studied the theories and applications of BBP transition as a technique of exploratory data analysis.
- Using Python programming, determined how large of a rank-1 perturbation should be added to a data matrix in order to produce a spiked eigenvalue.
- Received research scholarship (8,350 CAD).