

# Austin HUANG

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## SKILLS

SOFTWARE ENGINEERING: Java (Android, Kotlin), JavaScript (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)

## EDUCATION

Bachelor of Science in STATISTICS AND COMPUTER SCIENCE; minor in FINANCE <b>McGill University</b> , Montreal, QC, Canada • GPA: 3.88/4. • Obtained A for statistics and machine learning courses.	AUG 2021 - APR 2024
Diploma of College Studies in PURE & APPLIED SCIENCE <b>Marianopolis College</b> , Westmount, QC, Canada	AUG 2019 - JUN 2021

## PERSONAL PROJECTS

<b>BARINSTA</b> <i>Open Source Instagram client on Android, Java/Kotlin</i> • Designed and promoted the app as a <b>privacy-respecting alternative</b> to access Instagram. • Recruited and collaborated with a professional Android developer to further support the project. • Received <b>1000+</b> <b>GitHub stars</b> and was <b>placed in GitHub Trending multiple times</b> .	JUL 2020 - JUL 2021
<b>STM SHUTTLE TRACKER</b> <i>GTFS Data Interpreter, HTML/Node.js</i> • Created a web app that allows students to <b>track real-time locations</b> of their school shuttle buses, in response to a student union's concern of public transport reliability.	FEBRUARY 2020
<b>DTel</b> <i>Discord Telephone Roleplay Bot, Node.js</i> • Developed a Discord bot that imitates traditional telephone systems in cooperation with other hobbyists. • Used by <b>more than 2000 Discord servers</b> for a unique socialization experience.	MAR 2017 - MAR 2019

## RESEARCH EXPERIENCE

Mapping the BBP transition for 2 layer linear networks Supervisor: <a href="#">Prof. Elliot Paquette</a> , 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).	MAY 2023 - AUG 2023
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## WORK EXPERIENCE

Course Assistant at MCGILL UNIVERSITY • Support students in an introductory computer science course by holding office hours, grading assignments and exams, as well as answering questions that students have regarding course content.	SEPT 2022 - DEC 2023
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## INTERESTS AND ACTIVITIES

Technology, Open Source (contributions & support), Data Privacy & Security  
Photography, Urban Planning, Policies