Benjamin Tsang

benjamin.tsang@mail.utoronto.ca | 437-432-5695 | LinkedIn

Education

University of Toronto Mississauga   Mississauga, Ontario
Bachelor of Science in Computer Science. CGPA 3.89
Expected Graduation Date: May 2027

ESF Sha Tin College   Hong Kong
International Baccalaureate Diploma 44 out of 45 points   June 2023

Experience

Kantar Group   Hong Kong
Quantitative Research Intern   June 2024 - August 2024
- Performed data cleansing, analysis and visualization on large amounts of survey data for client companies, forming reports that inform their marketing decisions.
- Built Excel macros and VBA scripts to streamline data processing and automate conversion calculations.
- Engineered a Flask and SQL-based web application hosted on the company intranet to help automate data processing and project management tasks.

SustainaPod   Remote
Software Engineer   May 2024 - Present
- Developing an educational platform to teach students about career paths in sustainability.
- Built with Next.js, utilizing TypeScript and React for the frontend, and styled using Tailwind CSS.

Oxbridge Academia   Hong Kong
Math, Physics and Computer Science Tutor   May 2023 – December 2023
- Elevated IGCSE and IB students' understanding of math, physics, and computer science by tailoring one-on-one and group tutoring sessions, resulting in significant academic improvement.

RaSpect Intelligence Inspection   Hong Kong
AI Research Intern   June 2021 – July 2021
- Assisted in fine tuning the AI defect detection model through capturing images of facades for data collection and engaged in data cleansing and labeling.

Coding Projects

EduGlow   February 2024
- AI powered web application that can automatically generate flashcard sets and google slide presentations for active and passive learning based on user prompts.
- Frontend using HTML and CSS; backend using OpenAI GPT4 API, Google Slides API and Google Image Search API

MailSpot
- Web application which fetches user emails and sorts them with sentiment analysis, helping customer service representatives address the most urgent customer concerns first.
- Front-end using ReactJS; backend using Flask, SQL and SQLAlchemy; sentiment analysis using Python's VADER NLP library.

TEDx Speech
- Delivered a comprehensive overview of Weak AI, Artificial General Intelligence (AGI) and Artificial Superintelligence, discussing implications, development pathways, and risks while advocating the importance of responsible AI advancement.
- Demonstrated strong communication and critical thinking skills by simplifying complex concepts for a diverse audience and proposing strategies to mitigate the risks of AI development.

Leadership & Activities

ESF Computing Conference   Hong Kong
Chair   February 2022 - September 2022
- Led a team of 15 students in contacting and collaborating with technology companies in Hong Kong to organize a computing conference with over 240 participants from various schools, consisting of educational workshops, keynote speeches and a hackathon with sponsored prizes.

STC Student Council   Hong Kong
Chief of Communications   November 2020 - November 2022
- Worked to bring student suggestions to the school by liaising with school staff and pitching ideas regularly. Successful ideas included: school cafeteria expansion, bathroom facility changes, and student subscriptions to educational tools and platforms

Skills & Interests
Technical: Python, SQL, Java, Javascript, HTML, CSS
Language: Cantonese (Fluent), Mandarin (Fluent)
Laboratory: Excel, Word, VBA, SPSS
Interests: Basketball, Chess, Tabletop games, Personal Investing

Awards
University of Toronto Scholar's Award   September 2023
ESF Chairman's Award for Academic Excellence   June 2023
ESF Sha Tin College Computer Science Book Award   June 2023
Top 8 Team in HK JUMPSTARTER Student Startup Competition   August 2021