Shalott Tam

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EDUCATION

University of Waterloo
Honours Bachelor of Mathematics

GPA: 3.8/4.0
2024 - 2029

- Activities: Varsity Squash, Environment Student Society

EXPERIENCE

Software Engineering Intern
CareerHackers

Jun 2025 – Jul 2025
Hong Kong

- Developed assessment automation platform with React, Node.js, Express, MongoDB, serving 10k users
- Spearhead design and development of multi-step flow covering authentication, media processing, interactive sessions, and automated evaluation
- Implemented real-time audio streaming pipeline using WebSockets and Google Cloud, enabling sub-second transcription for interactive assessments.

Software Developer Intern
RecruitForMe

Feb 2023 – June 2023
Markham, ON

- Integrated REST APIs with Hubspot, Trello, and Google Calendar to automate cross-platform data sync
- Developed scrapers using Python and Scrapy to extract, parse, and analyze 300+ job listings from multiple sites
- Created various visual assets, prototypes, and a promotional video, enhancing company branding and engagement

PROJECTS

JokebearViewer | *React, TypeScript, Express.js, WebRTC, MediaStream, ElevenLabs API, TailwindCSS*
- Built iteractive interview simulation platform with real-time voice and video call controls.
- Integrated WebRTC for audio/video capture with voice activity detection, session recording, and file download
- Architected RESTful API endpoints for call management, media streaming, and LLM provider integration
- Implemented multi-provider LLM architecture supporting with dynamic switching between 3 languages

Everything Calendar | *React, TypeScript, Next.js, Python, Flask, Supabase, BeautifulSoup*
- A full-stack calendar web application with automatic sync with Instagram, Devpost, and D2L events.
- Implemented Python scraper for Devpost and Instagram
- Set up cron job to periodically fetch data and automatically update the calendar
- Implemented frontend with React, TailwindCSS, and FullCalendar Library

AI Therapist Prototype | *Python, spaCy, nltk, GPT-3*
- Built an interactive, friendly therapist prototype on Google Colab. Trained and fine-tuned GPT-3 model using Kaggle datasets and NLP techniques

COMMUNITY/ ACTIVITIES

UW Blueprint | *Software Developer*   Sep 2025 – Present
- Develop solutions for nonprofit organizations

Socratica | *Host, Photographer*   Mar 2025 – Present
- Weekly coworking sessions, demos, and global symposiums to inspire people to do what truly matters to them

TechNova | *Sponsorship Coordinator*   Feb 2025 – Present
- Cultivate strong relationships with current and potential sponsors, ensuring mutual satisfaction and ongoing partnerships with Waterloo's biggest Women+ in tech hackathon

TECHNICAL SKILLS

Languages: Python, C/C++, TypeScript, Java, JavaScript, HTML/CSS, SQL, DrRacket
Frameworks: React, TailwindCSS, Next.js, Express, WebSockets, PyTorch, NumPy, Three.js
Tools & Platforms: Git, MongoDB, Firebase, Linux/Bash, Docker, GDB, Jupyter, NeonDB, Figma