

MAX TAN

647-631-9555 | maxtan.884@gmail.com | [linkedin.com/in/max-tan0/](https://www.linkedin.com/in/max-tan0/) | github.com/maxtan84 | maxtan.dev

Education

University of Waterloo

Sep 2022 - Aug 2026

Bachelor of Computer Science | GPA 3.7/4

Waterloo, ON

Courses: Designing Functional Programs, Algorithm Design & Data Abstraction, Linear Algebra, Optimization, Computer Architecture, Compilers

Technical Skills

Languages: JavaScript, TypeScript, HTML, CSS, Python, C, C++, C#, Java, SQL

Technologies & Frameworks: Next.js, React.js, Angular, Django, Express.js, Firebase, PostgreSQL, Tailwind CSS, Git, Postman, Vercel, Netlify, Jira, Docker, FluentUI

Experience

Microsoft

May 2025 - Aug 2025

Software Engineer Intern

Redmond, WA

- Enhanced the M365 Pulse search experience to redirect engineers and leaders with **40%** higher first-click success
- Created a custom search result scoring algorithm and adaptive suggestions using React.js and TypeScript, reducing average search word length by **30%**
- Achieved a **97%** reduction in average search related API request latency on cache hits by integrating Redis caching into a C# backend

Microsoft

May 2024 - Aug 2024

Software Engineer Intern

Redmond, WA

- Collaborated with the M365 Substrate Core team to enhance Copilot by implementing semantic image indexing, leading to improved search capabilities across visual content and contributing to the overall intelligence of the platform
- Architected an Azure Computer Vision OCR pipeline in C# to process **393 million** SharePoint documents, extracting text and contextual metadata to enhance search relevancy
- Integrated extracted image text into the existing semantic index pipeline, automating the processing of new files with PowerShell scripting, improving data accessibility for over **121,000** Copilot tenants

Temerity Analytics Inc.

Jan 2024 - Apr 2024

Full Stack Software Developer Intern

Toronto, ON

- Led the integration of the Snapchat API into the Merln platform, leveraging Django to enable data retrieval from third parties, expanding analytical capabilities by **20%**
- Successfully identified and resolved **15+** critical UI/UX issues by redesigning features and debugging with Angular using TypeScript, enhancing application performance and user experience
- Collaborated in the redesign of Merln, refactoring **20+** viewsets, including Django ORM queries into a PostgreSQL database to support multi-country data and expansion into the US market

University of Waterloo Math Society

Jan 2023 - Dec 2023

Web Developer

Waterloo, ON

- Spearheaded the rebuild of the Math Society Website by developing captivating and dynamic web pages using Pug.js, elevating the user experience through modern and aesthetically pleasing designs stylized with SASS
- Designed and implemented an Express.js REST API, enabling **300+** students to seamlessly check out lockers and access vital information
- Ensured reliability by unit testing all created API methods using Postman, guaranteeing seamless and error-free data transactions

Projects

Finance Flow | React.js, Next.js, Firebase, Tailwind CSS, Vercel, Figma

May 2023 - Aug 2023

- Developed a finance tracker web application using Next.js and Firebase with features such as expense input, budget management, monthly spending analysis, and transaction tracking
- Implemented dynamic data visualization using React Chart.js for displaying spending patterns and utilized Plaid API to pull sandbox user transaction data