

AARON OUYANG

aaron.ouyang05@gmail.com | 416-845-0113 | [Website](#) | [LinkedIn](#) | [GitHub](#)

WORK EXPERIENCE

Founder & Software Engineer

Nov 2025 - Present

Noctia (Toronto, Canada)

- Designed, built, and deployed a production AI voice agent for orthodontic clinics that triages patient calls and captures structured intake data, reducing triage time for after-hours calls by **66%**
- Implemented intelligent processing of call logs, summaries, and transcription with the **OpenAI API**; designed **RESTful API** endpoints and relational database (**PostgreSQL**) schemas to support patient data intake, metadata storage, asynchronous review workflows, and multi-tenant authentication
- Built a frontend dashboard (**React, Next.js**) for reviewing calls, notes, and patient information
- Collaborated directly with clinic stakeholders and non-technical users to refine workflows, edge cases, and escalation logic for real-world deployment

Software Engineer

May 2025 - Oct 2025

MI Education (Toronto, Canada)

- Designed and implemented a calendar system for tracking instructional hours for tutoring sessions
- Developed a **Google Apps Script**-based ETL pipeline to extract, normalize, and aggregate tutoring session data from collaborative spreadsheets used by multiple users in real time
- Reduced manual processing time of session reporting by **90%**

3D Designer

Jan 2022 - Dec 2025

IYK (New York, USA)

- Led E2E production of real-time and pre-rendered 3D assets for product launches, landing pages, and social campaigns
- Produced 3D assets for prestigious brands including Ed Sheeran, Coinbase, and Chance the Rapper
- Created animated hero visuals used on IYK's public website and marketing materials, including the IYK Zorb which reached **116,000+ purchases** in 24 hours
- Collaborated with design and engineering teams to align visuals with brand, performance, and deployment constraints

SKILLS

Languages: Java, Python, JavaScript, TypeScript, C, C++

Frameworks & Runtimes: React, Next.js, Node.js

Backend & Data: Supabase, PostgreSQL, SQL, REST APIs, Webhooks, LLM APIs

Systems & Product Development: API design, authentication systems, dashboard development, automation workflows (n8n), data pipelines

Creative & Visual Tools: Blender, Photoshop, After Effects, Premiere Pro, DaVinci Resolve, Embergen

EDUCATION

Bachelor of Computer Science

Sep 2023 - Present

Queen's University - GPA 3.9/4.0

Relevant Courses: Data structures, algorithms, operating systems, software architecture, computer architecture, formal methods, human-computer interaction

SIDE PROJECTS

Youtube Subscription Folders

Chefr

INTERESTS

Fitness, guitar, piano, skiing, gaming