

# Truman Chan

647-616-3752 | [trumanzhe@gmail.com](mailto:trumanzhe@gmail.com) | [linkedin.com/in/trumanchan](https://www.linkedin.com/in/trumanchan) | [trumanzhe.com](https://trumanzhe.com)

## EDUCATION

### York University & Schulich School of Business

Toronto, ON

*Bachelor of Science (Honours) in Computer Science & Master in Management (Double Degree) Sept. 2024 – Apr. 2027*

## EXPERIENCE

### Software Engineer

Toronto, ON

*ITMZ (Next 36 Fall 2024 Cohort)*

*June 2024 – Dec 2024*

- Built mobile app features for a **Next 36-backed startup**, adapting to a **fast-paced environment** with shifting priorities and tight deadlines. Earned **Honorable Mention** in the **Google Gemini API Competition**.
- Designed the UI in **Figma** and implemented it in **Flutter and Dart**, ensuring an intuitive and accessible experience and heavily optimized **internet connectivity handling** for reduced latency.
- Leveraged **AWS DynamoDB** and **AWS S3** for **scalable data retrieval** and **secure content management**.

### Software Engineering Lead

Markham, ON

*Deman Esports*

*Incoming*

- Leading a team of **4 developers** to build an esports platform for a community of **75,000+**.

## PROJECTS

### MockMate, AI Interview Bot | *Next.js, OpenAI, Azure Speech, Prisma, PostgreSQL (AWS RDS)* *GitHub Repo*

- Developed an AI-powered interview platform at **UofTHacks 12**, leveraging **Azure Speech** and **GPT-4o** to simulate dynamic, real-time interview questions and responses.
- Built a scalable backend with **Prisma ORM** and **PostgreSQL (AWS RDS)** for high availability and optimized queries, while implementing real-time analytics to provide actionable feedback and personalized insights.
- Secured authentication and session management using **NextAuth.js**, **bcrypt**, and **JWT**.

### Sesame, AI-Powered Productivity App | *Next.js, Spring Boot, PostgreSQL, Three.js, JWT* *GitHub Repo*

- Developed a full-stack productivity tool featuring a to-do list, study timer, and analytics dashboard, enhanced by **Three.js** visualizations and an interactive **Next.js** frontend.
- Utilized **OpenAI** to suggest summaries, automate task prioritization, and generate personalized study tips.
- Built a scalable **Spring Boot** backend with **PostgreSQL (Supabase)**, implementing **JWT authentication** and streamlining **RESTful API** operations for efficient data management and improved reliability.

### TiltQ, League Tilt Responder | *Next.js, TypeScript, Riot API, Google Gemini 1.5* *GitHub Repo*

- Developed **TiltQ**, a web app for League of Legends players to analyze performance, detect tilt, and receive AI-generated feedback, attracting **3,000+ visits on launch day**.
- Built a data pipeline to **fetch and process match history** from Riot's database using the **Account, Match, and Summoner v5 APIs**, linking Riot IDs to PUUIDs for match retrieval.
- Analyzed **10 recent matches**, extracting **KDA, gold earned, damage dealt, objectives, and win/loss trends** to detect tilt patterns.
- Fine-tuned **Google Gemini 1.5** to interpret League slang and generate **personalized, AI-driven feedback** blending performance insights with humor.

### Minimi, Summarization Chrome Extension | *Spring Boot, Javascript, Gemini API* *GitHub Repo*

- Developed a **Chrome extension** for students that fine-tunes **Gemini models** to produce concise summaries, enhancing accessibility and streamlining research.
- Implemented a robust **Spring Boot backend** that efficiently handles API requests, parses responses, and delivers real-time summaries via optimized CRUD operations for seamless integration.

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, TypeScript, HTML/CSS, C, Dart, PostgreSQL, Assembly

**Frameworks:** Spring Boot, Flutter, AWS Amplify, Firebase, React, Node.js, Flask, Tailwind CSS, JSON, JavaFX, Three.js

**Developer Tools:** Git/GitHub, TravisCI, Firebase, AWS, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Figma

**Databases & Libraries:** MongoDB, DynamoDB, AWS RDS/S3, OpenCV, MediaPipe, Prisma ORM, bcrypt, JWT