

# 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*

### Carleton University

Ottawa, ON

*Bachelor of Science (Honours) in Computer Science*

*Sept 2023. – Apr 2024*

## EXPERIENCE

### Mobile Developer Internship

Toronto, ON

ITMZ

*June 2024 – Dec 2024*

- Developed mobile app features for a **startup**, adapting to a **fast-paced environment** with evolving priorities, tight deadlines, and cross-functional collaboration.
- Designed the UI in **Figma** and implemented it in **Flutter and Dart**, ensuring an intuitive and accessible experience.
- Leveraged **AWS DynamoDB** and **AWS S3** for scalable data retrieval and secure content management.
- Optimized app performance and improved **internet connectivity handling**, reducing latency and enhancing user experience.
- Competed in the **Gemini API Competition**, contributing to the video pitch and earned **Honorable Mention**.

## 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.

### 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.

### Virtual Mouse | *Python, OpenCV, MediaPipe, PyAutoGUI, NumPy* [GitHub Repo](#)

- Built a vision-based virtual mouse using OpenCV and MediaPipe for real-time hand tracking, implementing gesture recognition with Euclidean distance and angle detection for precise commands.
- Enhanced motion stability with smoothing filters and optimized frame processing, reducing latency for seamless left-click, right-click, scrolling, and screenshots.

## 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