

# Yong Yim

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## RELEVANT EXPERIENCE

**Senior Software Developer, Co-Founder**, Connectiviot LLC – Bellevue, WA Sept 2014 – July 2019

- Led the development of communication protocols for IoT devices and mobile/web applications, utilizing STUN, TURN, and ICE NAT Traversal protocols with Java, Netty, and C.
- Designed and implemented a MySQL database system for managing user and device data.
- Developed REST APIs in PHP to integrate Google Home and Amazon Alexa Smart Home services.
- Designed and built front-end applications for IoT device control on Android, Tizen, and the Web.
- Developed a Tizen Wearable smart car application for Mercedes-Benz.
- Created a Tizen Wearable GPS tracking application for Glympse.
- Built a Tizen Wearable news highlights application for USA Today.
- Designed a Tizen Wearable golf score and shot tracking application for TaylorMade.

**Software Developer**, TECACE Software Ltd – Bellevue, WA Apr 2011 – Sept 2014

- Developed an MMS/SMS Android application for Samsung Mobile.
- Built the Android NewsAce RSS Feed Reader and a corresponding web crawling server and management site.
- Ported the NewsAce RSS Feed Reader to Tizen and Tizen Wearable platforms.
- Developed the Samsung Music Hub application for Windows 8 (Metro).

## Selected Projects

**Realtime Webcam Object / Face Detection with MediaPipe** Mar 2024

- Developed an AI-powered object detection web application using MediaPipe Vision Tasks.
- Built an interactive front-end interface with React, Next.js, and Three.js.

**AI-Poet & ChatPDF** Sept 2023

- **AI-Poet**: Created an AI-powered tool to generate poems based on user-provided subjects.
- **ChatPDF**: Designed an application allowing users to upload PDFs for AI-driven content analysis and querying.
- Developed the back-end with OpenAI API, LLAMA 2, LangChain, and ChromaDB.
- Built the front-end using Streamlit for a user-friendly interface.

**Promptopia** Oct 2023

- Developed a platform for sharing AI prompts using React, Next.js, TailwindCSS, and TypeScript.
- Integrated MongoDB and Prisma to optimize database and back-end communication.

## Skills

**Programming Languages**: C, Java, Kotlin, Python, HTML, JavaScript, TypeScript, CSS, SQL, Rust, Flutter

**Technologies**: React, Next.js, TailwindCSS, Android, Jetpack Compose, Tizen, PrismaDB, MySQL, SQLite, LangChain, LLAMA

**Languages**: English, Korean

## Education

**University of Washington Tacoma**, Tacoma, WA Mar 2011

Bachelor of Science in Computing and Software Systems

## Certifications

Meta Front-End Developer Professional Certificate (Coursera, 2023) | Meta Android Developer Professional Certificate (Coursera, 2024) | Data Structures and Algorithms by UCSD (Coursera, 2024) | Meta Back-End Developer Professional Certificate (Coursera, 2024) | Foundations of Data Structures and Algorithms Specialization by UC Boulder (Coursera, 2024)