Jion Choi

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EDUCATION

The King's University   Edmonton, AB
Bachelor of Science in Computer Science, Minor in Business   *Expected Graduation Date: 2027*
- Relevant Coursework: Algorithm Analysis, Database Management, Web-Application Design, Data Structure, Cryptography, Computer Architecture, Object-Oriented Programming

EXPERIENCE

AI Quality Assurance Specialist   May 2025 – September 2025
Invisible Technologies   *San Francisco, CA*
- Evaluated **300+** AI generated code blocks and tested **Code Efficiency**
- Reviewed AI-generated solutions in **React**, **TypeScript**, and **JavaScript**, ensuring **accuracy** and best practices.
- Completed **5+ client projects**, ensuring accuracy and reliability of deliverables

Web Development Intern   January 2025 – April 2025
BAM Canada   *Edmonton, AB*
- Generated **10K+ impressions** within **4 months** by implementing targeted **SEO strategies**
- Improved the **Website Speed** by **60%** and reduced the **Loading time** by **56%**
- **Rebuilt** the Partners page in **JavaScript** with dynamic membership and subscription functionality

Laboratory Teaching Assistant   September 2024 – December 2024
The King's University   *Edmonton, AB*
- Assisted **30+** students weekly in a computer science lab setting, ensuring understanding of **C++ concepts**
- Attended **weekly meetings** to revise lab assignments and to clarity course materials.

PROJECTS

MatchLoc | *React Native, TypeScript, PostgresSQL, Supabase*   August 2025 – Present
- **Founded** and **led development** of a **mobile application** connecting people to local pick-up sports games
- Built the **frontend** in **React Native TypeScript** and integrated **PostgreSQL** for **database management**
- Implemented **Real-Time Chat Service** in **TypeScript** using supabase broadcasting

Orator | *Brainflow, pytorch, opencv, websockets, speech-to-text-ai, flask, react, typescript*   November 2025
- **3rd place winner** (EdTech Division) among **250+ total participants** at NatHacks 2025.
- Built **real-time emotion detection** using **EEG signals and BrainFlow** providing emotional feedback
- Designed and Developed the **main UI/UX** including **dashboard** and **presentation mode** pages

Circle-Up | *Python, Pandas, PyTorch, Tensorflow, Streamlit*   August 2025
- Developed a **mobile application** for a **senior-friendly** community, helping **older adults** stay socially connected
- Contributed over **90%** of the **codebase**, built **interactive frontend** with **React Native** and **TypeScript**
- Constructed the **entire database** and implemented **PostgreSQL schemas, relationships** with **Python**

EmoNeuro | *Python, Pandas, PyTorch, Tensorflow, Streamlit*   November 2024
- Developed an **EEG-based** web-application to translate **emotional fluctuations** into **adaptive music**
- Trained **5 AI emotion recognition models** using **PyTorch** and **TensorFlow**, with a **Random Forest model**
- Built the **frontend** with **Streamlit** and integrated a GUI for **real-time** music-based **neurofeedback**

LEADERSHIP

Worship Team Leader   December 2023 – Present
Mosaic House Church   *Edmonton, CA*
- Led worship service **every second week** of the month
- Organized and directed **monthly team practices** and **meetings**

Marketing Director   January 2025 – Present
HiGary Korea   *Edmonton, CA*
- Grew social media presence to **4,600+** followers, posting of **3+** Gary memes **every week**
- Achieved **2.5M+ total views** and consistently averaged **20K+ views per post**

Awards

Third Place — Nov 2025
NatHacks 2025 EdTech division — *Edmonton, CA*

Top 5 — Aug 2025
NatIgnite Problem Provider — *Edmonton, CA*

Top 3 — Oct 2024
Leder School of Business Internal Case Competition — *Edmonton, CA*

Imagery Award — Mar 2023
First Robotics Competition — *North Bay, ON*

District Champion of FIRST ONTARIO DISTRICT — Mar 2023
First Robotics Competition at Western University — *London, ON*

Gold Medal — Oct 2022
First Lego League Challenge — *Oxford County, ON*

Technical Skills

Languages: TypeScript, JavaScript, Java, Python, SQL (Postgres), HTML/CSS, C++
Frameworks: React, React Native, Node.js, Java Spring Boot, Streamlit FastAPI
Developer Tools: Git, Docker, VS Code, IntelliJ, Eclipse