

John (Chun-Han) Lee

Edmonton, AB | (780) 224-9471

lee.chunhan8@gmail.com | [linkedin.com/in/chun-han-lee](https://www.linkedin.com/in/chun-han-lee) | <https://chunhanlee.github.io/my-portfolio/>

Profile:

Technical Skills:

- Programming languages: C#, Python, Java, HTML5, CSS, JavaScript, Dart, SQL, TypeScript
- Databases: LINQ, Entity Framework Core, MySQL, SQLPlus, SQLite3, Vector Databases, PostgreSQL Database, Oracle Database
- Tools & Platforms: Visual Studio, Visual Studio Code, LINQPad, Git/Github, Docker, Magento, IntelliJ IDEA, SQL Server Management Studio (SSMS)
- Development Frameworks: React, Node.js, Django, Flask, Blazor, Flutter, FastAPI, .NET8, LangChain
- Testing Frameworks: Pytest, JUnit, Jest, Selenium
- AI: Vertex AI, Python-based AI Development, Custom ChatGPT, Text Embeddings
- Cloud & Virtualization: Render, VMware, Supbase, Firebase, Vercel, Netlify, Pinecone, Neo4j
- APIs: REST APIs, OpenAI API, Google Cloud API
- Collaboration Tools: Slack, Microsoft Office, Microsoft Teams, Figma, Jira

Project:

Capstone Project – Event Participant Matching Web Application

- Implemented hot swappable AI models to group event attendees based on professional backgrounds and interests, integrating free form input with AI data parsing for structured database storage.
- Developed a full-stack system solution using Python, FastAPI, PostgreSQL, and Next.js for seamless user interactions.
- Developed and implemented the AI chatbot for user information retrieval and query.

AI Receipt Tracking System

- Built a CustomGPT tool with FastAPI & Supabase for Costco receipt tracking, handling 50+ daily user inputs.

AI Book Interpretation & Translation Assistant

- Built a CustomGPT trained on a Mandarin health book to provide English-translated health insights using semantic search.

Education:

Digital Media & IT Diploma, Computer Software Development (Sept 2023 – Apr 2025)

Dean's Honor Roll (4.0 GPA)

NAIT, Edmonton, AB, Canada

Bachelor of Science, Computer Science (Major), Business (Minor) (Sept 2010 – Sept 2015)

University of Alberta, Edmonton, AB, Canada

Technical Employment Experience:

Data Solutions Developer (*Contract Position*)

Pontem Innovations, Edmonton, Alberta, Canada

June 2024 – December 2024

- Developed templates for ABBYY FlexiCapture OCR tool.
- Implemented a portal using Python, Flask, and Django to create and edit budget forms, improving user experience and form management capabilities.

Software Programmer

RF King Source Inc., Taoyuan, Taiwan

January 2018 – June 2018

- Familiarized with the e-commerce platform Magento and Docker tool, using them to develop and deploy an e-commerce website.
- Adapted to fast-paced environment with evolving requirements, delivering high-quality code that met the requirements and expectations of stakeholders.
- Acquired critical time management and detail-oriented skills, catching and fixing 90% of the bugs in the code base.

Software Programmer

WATICS Global Corporation., Taipei, Taiwan

May 2016 – August 2016

- Developed websites, web applications in React, HTML, and Node.js, resulting in a 50% increase in user traffic.
- Developed strong team communication through collaborating with HR, Sales, Back End developers, and UI/UX teams, ensuring smooth and efficient workflow and delivery.

Additional Employment Experience:

Associate Realtor

YEGPro Realty, Edmonton, Alberta, Canada

October 2019 – September 2023

- Effectively communicated with over 50 clients, colleagues, and stakeholder through phone, email and social media platforms, ensuring timely and accurate information exchange.

Business Owner

J.E.L. Renovations., Edmonton, Alberta, Canada

May 2018 – January 2023

- Learned business management and communication skills through servicing over 20 clients.
- Effectively managed time to meet strict deadlines for over 50+ project, ensuring quality completion and adherence to budget.