

Yejia Shen

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EDUCATION

McGill University

Montréal, QC

Bachelor of Software Engineering (Co-op)

Aug 2024 - May 2028

- CGPA: 3.96/4
- Undergraduate Entrance Scholarship for academic excellence
- Relevant Coursework: Fundamentals of Software Development, Digital Logic, Communication in Engineering

WORK EXPERIENCE

Royal Canadian Navy

Montréal, QC

Power Apps Developer

Jul 2024 - Present

- Built and implemented a full-stack mobile application in Power Apps for the unit's Supply Department, helping streamline equipment requests and appointment services to over 325+ Naval Reservists
- Consulted with department executives to establish user requirements and optimize UX/UI, enabling the supply department to process member requests up to 50% faster
- Designed and tested, in a team of six, the data processing and application architecture facilitating implementation in other Naval Reserve Divisions across the country

Naval Communications Administrator

March 2022 - Present

- Executed IT tasks such as provisioning hardware for the unit's members, maintaining electronics inventory logs, and setting up stage equipment for presentations.
- Delivered lectures and oral presentations to new recruits as Training Coordinator regarding naval communication protocols and administration

PROJECTS

SummariX

Nov 2024

- Developed a full-stack application enabling financial analysts to analyze and interact with PDF documents through question-answering functionality. Integrated Claude 3.0 LLM through AWS Bedrock for language processing and implemented a user-friendly frontend using Streamlit. [Demo](#)

Morse Code Translator

Jun 2024

- Designed and implemented a Morse Code translator using Python on Raspberry Pi, simulating naval communication systems by encoding messages via LED flashes and decoding them using a camera for Royal Canadian Navy applications. [Demo](#)

ACHIEVEMENTS

DawHacks - 1st place winner

Mar 2024

- Created Budget Buddy, a NodeJS web application using open-source OCR software to analyze uploaded user receipts, enabling data visualization of spending habits based on the categories (restaurants, entertainment) and other trends

MariHacks - 3rd place winner

Apr 2023

- Built Vocab Velocity, a vanilla JavaScript web game that allows players to train their vocabulary skills by entering valid words that match procedurally generated letter structures

SKILLS

Technical Skills: Git, Python, Javascript, Power Apps, React, NodeJS, Tailwind, HTML/CSS, Jupyter

Languages: Fluent in English and French; Conversational Mandarin

Certifications & Training: AWS Certified Cloud Practitioner, CAF Basic Military Qualification, Reliability Security Clearance