ANNE DANG

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EDUCATION

Carleton University, Ottawa   **Sep 2021 - May 2026**
Bachelor's degree of Computer Science
– CGPA: 3.8/4.0; received the Entrance International Award of Excellence and on Dean's list since 2021.

EXPERIENCE

KMS Healthcare — Software Engineer Intern   **Jun 2024 - Sep 2024**
– Fine-tuned model using Seq2Seq technique and 7000 values from Kaggle dataset increasing accuracy to 80 percent.
– API integration with Qdrant vector database for dynamic disease profile generation from symptoms.
– Designed and implemented responsive UI components using TypeScript, Bootstrap, and JSX for seamless interaction.
– Set up automated deployment across different environments with Miniconda, Docker and Poetry.
– Researched and developed GenAI projects, aligning with medical guidelines and contributed architectural discussions.

Intega IT — L1 Desktop Support Specialist   **Sep 2023 - Dec 2023**
– Utilized applications Autotask, and Field Effect helps maintaining a 95 percent positive feedback rating from end-users.
– Resolved 1400 application, printer, and network support tickets in 4 months, reducing resolution time by 30 percent

PROJECTS

OpenAI Review & Guide Agent   ⌂ Python, Llama, QDrant, FastAPI, Docker, Streamlit
– Developed an OpenAI agent to answer questions related to given datasets, utilizing Wiki library for irrelevant queries.
– Integrated Llama Agent for natural language understanding and response generation.
– Utilized QDrant vector database for storage and retrieval of vectorized data.
– Created API endpoints with FastAPI to manage queries and responses.
– Containerized the application using Docker for streamlined deployment.
– Designed a user-friendly interface with Streamlit for seamless interaction with the OpenAI agent.

AED Machine Simulation   ⌂ C++, QT Creator
– Engineered a simulation using QT Creator to mimic AED machine functionality.
– Utilized C++ features and QT libraries for a realistic experience.
– Designed user interfaces and medical emergency scenarios simulations.

Museum of Flowers   ⌂ Python, PostgreSQL, React, Bootstrap
– Developed a user-friendly website for booking and managing museum tickets with responsive design.
– Implemented backend with Python and PostgreSQL, including RESTful APIs for data interaction.

MERN Application Development   ⌂ MongoDB, Express, React, Node.js
– Developed a website application that helps user to manage their family trees.
– Implemented services with Node.js and Express while combining React with React States to manage frontend events.

Self-website Application   ✪ ⌂ JavaScript, CSS, HTML
– Deployed the application on Heroku, integrating continuous deployment through GitHub.

TECHNICAL SKILLS

– Programming: Python, C/C++, Java, JavaScript, Typescript
– Development: Node.js, React, Bootstrap, HTML, CSS
– Database: PostgreSQL, Qdrant, MongoDB
– OS: Windows, Linux (Ubuntu), macOS
– Tools: Git, Github, Docker, QT Creator, FastAPI
– CI/CD: Miniconda, Poetry, Heroku, Streamlit