ANNE DANG

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SKILLS

- Proficient in Python, C/C++, Java, PowerShell; adept at Windows, Linux, and macOS security.
- Skilled in data structures, algorithms, and object-oriented programming principles.
- Experienced in using FastAPI for APIs and Docker for containerization and deployment.
- Proficient in managing environments with Conda and effective in cross-functional communication.

EDUCATION

Carleton University, Ottawa   **Computer Science (Sep 2021 - May 2025)**
- Achieved a GPA of 3.8/4.0 in 2023; recipient of the Entrance International Award of Excellence.
- Completed coursework in Data Structures, Programming Languages, Discrete Math, Computer Architecture.
- Gained hands-on experience with Java, Python, JavaScript, CSS, C, C++.

EXPERIENCE

Software Engineer Intern — KMS Healthcare (Jun 2024 - Sep 2024)   Ho Chi Minh city, Vietnam
- Designed and implemented responsive UI components using TypeScript, Bootstrap, and JSX for seamless interaction.
- Integrated user input with AI backend for dynamic disease profile generation from symptoms.
- Used Miniconda, Docker and Poetry for local dev setup, improving deployment speed.
- Collaborated with AI engineers, healthcare professionals to refine features aligned with medical guidelines.
- Conducted research for generative AI projects, developing and implementing innovative solutions.
- Contributed to architectural discussions, fostering continuous improvement within the team.

L1 Desktop Support Specialist — Intega IT (Sep 2023 - Dec 2023)   Ottawa, ON, Canada
- Efficiently resolved over 1400 technical support tickets in 4 months, reducing resolution time by 30 percent.
- Utilized Field Effect applications, Datto RMM, and Autotask for effective ticket handling and resolution.
- Enhanced computing security by applying cybersecurity principles, reducing incidents and vulnerabilities.
- Delivered exceptional customer service by maintaining a 95 percent positive feedback rating from end-users.
- Fostered effective communication with colleagues, enhancing team collaboration and problem-solving efficiency.

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 efficient 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 advanced 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 a scalable backend with Python and PostgreSQL, including RESTful APIs for seamless data interaction.

MERN Application Development   ⌘ MongoDB, Express, React, Node.js
- Developed a family tree management web application using the MERN stack.
- Implemented robust backend services with Node.js and Express.

Self-website Application   🌐 ⌘ JavaScript, CSS, HTML
- Applied HTML, CSS and JavaScript for structure and enhancing interactivity.