

ANNE DANG

✉ : annedang@gmail.carleton.ca

in : linkedin.com/in/annedang2402

🐙 : github.com/dbkhanh

EDUCATION

Carleton University, Ottawa

Sep 2021 - Dec 2025

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

Searidge Technologies — Platform Developer Intern

Jan 2025 - Aug 2025

- Automated Kubernetes deployments using Helm and GitLab CI/CD, streamlining multi-environment workflows.
- Integrated Harbor registry with Rancher-managed RKE2 clusters to secure and manage container image distribution.
- Troubleshoot and configured Strimzi Kafka with Keycloak-based OAuth2 authentication for secure event streaming.
- Customized ingress routing and branding across Rancher UI using NGINX annotations and Helm chart overrides.
- Diagnosed and resolved network, storage, and TLS issues across Kubernetes workloads and internal services.
- Centralized platform operations by customizing Rancher UI, enabling streamlined access to internal services and tools.

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.
- Visualized and manipulated data using Python libraries such as Matplotlib and Pandas.
- 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.
- 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.

Hack the Fllush

🐙 React, FastAPI, Firebase, Solace PubSub+ Cloud

- Built a real-time bathroom occupancy tracker that leverages IoT data streaming through Solace PubSub+ Cloud.
- Developed the frontend in React and backend APIs using FastAPI, with live updates synced via Firebase.
- Designed an intuitive UI and integrated real-time sensor data for practical public facility monitoring.

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.

TECHNICAL SKILLS

- **Programming:** Python, C/C++, Java, JavaScript, TypeScript
- **Frameworks & Development:** Node.js, React, Bootstrap, FastAPI, HTML, CSS
- **Cloud & Platform Tools:** Docker, Kubernetes (RKE2), Helm, Rancher, GitLab CI/CD
- **Monitoring & Auth:** Grafana, Prometheus, Keycloak, Solace PubSub+ Cloud
- **Databases:** PostgreSQL, MongoDB, Qdrant, Firebase
- **Tools & Environments:** Git, GitHub, GitLab, Miniconda, Poetry, Heroku, Streamlit, QT Creator
- **Operating Systems:** Linux (Ubuntu), Windows, macOS