

Danyu (Leah) Wan

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Work Experience

Software Developer Co-op

01/2024 – 08/2024

Systems Analyst Co-op

05/2023 – 12/2023

Canadian Blood Services, Ottawa

- **Full-Stack Development:** Designed and Developed front-end applications using Angular and backend services using Spring Boot and REST APIs.
- **Component Library Creation:** Built a comprehensive Storybook component library using Angular PrimeNG components, facilitating consistent UI development and easy component reuse.
- **Azure Authentication:** Configured application user authentication, authorization, and API access on Microsoft Azure.
- **CI/CD Implementation:** Implemented CI/CD pipelines using Jenkins Pipeline and OpenShift.

Tutor

04/2023 – 09/2023

Algonquin College, Ottawa

- Provided 1-on-1 tutoring sessions to computer engineering students.

Social Media Intern

03/2020 – 07/2020

Tencent, Beijing, China

- Created social media content and short videos for TV show “Chuang 2020”.

Television Production Intern

11/2019 – 02/2020

Hunan TV, Changsha, China

- Designed graphical elements for TV show “The Sound” including fonts, transitions, and animations.

Projects

Karate History Tool (React, Spring Boot, MySQL, Azure) – Developed a full-stack web application that displays an interactive family tree to preserve the karate lineage. Implemented role-based authentication, file uploads, and deployed the app using Azure services. It supports community members in exploring karate history.

Arkanoid Block Breaker Game (Unreal Engine 5, C++) – Replicated the classic arcade game Arkanoid using Unreal Engine 5.

Personal Website (React, TypeScript, MUI) – Built a user-friendly portfolio website with clean design and layout.

Education

Computer Engineering Technology – Computing Science

05/2022 – 04/2025

Algonquin College, Ottawa, ON

- Dean’s Honours List – **GPA 3.92/4.0**
- Highlights of courses: Java Object-Oriented Programming, Data Structures, Web Application Programming, Networking, Linux, MySQL Database, Game Programming (Unreal Engine 5), ASP.NET

Bachelor of Communication in Digital Media

07/2018 – 11/2021

The University of Queensland, Australia

- GPA 3.42/4.0
- Highlights of courses: Digital Analytics (Python), Web Programming, Digital Media Design

Program-Related Skills

Programming Languages: TypeScript, Java, HTML, CSS, JavaScript, SQL, Python, Rust, C++, C#

Frameworks: Angular, Spring Boot, React, REST API, Unreal Engine 5, ASP.NET

Development Tools: Jira, Git, Azure, Jenkins Pipeline, OpenShift, Agile, Arduino

Operating Systems: Mac OS, Windows, Linux, QNX

Productivity & Design: MS Office Suite, Adobe Photoshop, Final Cut Pro, Procreate