

Kexun Niu

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EDUCATION

University Of Western Ontario	Edmonton, Alberta
Software Engineering, Master of Engineering	Sep 2023 - Aug 2024
In Progress	

University of Alberta	Edmonton, AB
Major: Computing Science Bachelor of Science	Sep 2019 - Jun 2023
Demonstrated academic and professional expertise in	
Software Development	
Web Architecture	
Software Process Management and Product Management	
Emerging knowledge in NLP, Machine Learning, and Neural Networks.	

PRACTICAL EXPERIENCE

Skillcity (Community Service Institute)	Edmonton, Alberta
Student Developer	Jan 2023 - Apr 2023
Skillcity Institute works with Canadians facing systemic barriers, under-resourced and underrepresented individuals, to reach their full economic potential through career education, training, skills development and mentoring.	
<ul style="list-style-type: none">Pathfinder Project	

PROJECT EXPERIENCE

Pathfinder	Jan 2023 - Apr 2023
Backend Developer	

Course: Software Process and Product Management (CSL), [Screencast](#) | [Documentation](#)

- Collaborated in Group of six to created a career development website designed to empower young individuals in building their future career paths. This initiative enables organizations to seamlessly generate and oversee postings for diverse opportunities they offer.
- As a Product Owner for two sprints, I honed my UML design and Sequence Diagram techniques while gaining valuable expertise in Agile product management.
- Proficiently acquired knowledge from the pre-existing codebase, subsequently, developed RESTful APIs for the application.
- Enhanced code quality and system reliability through the incorporation of Django unit testing and Cypress testing for end-to-end (E2E) testing.
- Key Technologies:** Django RESTful Framework, Django Unit Test, Cypress, Docker, Figma

Social Distribution	Sep 2022 - Dec 2022
Full Stack Developer	

Course: Web Applications and Architecture, [Github Page](#)

- Developed a Social Media Web App resembling X (Twitter), offering users the ability to explore posts by other users. This project not only enriched my knowledge of the fundamental web development process but also solidified my proficiency in Django
- As a Backend Developer, I was responsible for conceiving and executing the complete Django RESTful API to fulfill the requirements of the frontend. I encountered and resolved diverse challenges, including the optimization of API performance through serializer utilization, addressing authentication issues, and establishing Node-to-Node API connections.
- In my role as a Frontend Developer, I made significant contributions by crafting and enhancing the user authentication UI/UX. The application's overall user interface was elevated by my effective utilization of Bootstrap.
- Key Technologies:** Django template (Frontend), Django Restful Framework(Backend), Bootstrap

Online Bookstore	London
Full Stack	Oct 2023 - Dec 2023

- Developed the frontend components using React.js, Bootstrap.
- Implemented backend functionalities including fetch google book API, JWT auth, CRUD operations with frontend, password hashing.
- Utilized version control systems such as Git for managing codebase and facilitating team collaboration.
- Integrated third-party APIs: Google Book API, Pexels Image API, for enhanced functionality.
- Key Technologies Used:** React, Bootstrap, Node.js, Express.js, Passport.js

TECHNICAL SKILLS

Proficient: Python, C#, Javascript, Typescript, SQL, DRF, Git, React, Node.js, Express.js ,MongoDB, HTML, CSS, Unix
Familiar: C, Java, Matlab, , Angular, Unity, JWT, Figma, Docker, K8s