

Kexun Niu

+1 (825) 9838976 kniu3@uwo.ca

London, Ontario

<https://www.linkedin.com/in/kexun-niu/> <https://github.com/KexunNiu>

EDUCATION

University Of Alberta

Edmonton, Alberta

Major: Computing Science, B. Sc

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.

University of Western Ontario

London, Ontario

Specialization: Software Engineering, M.Eng

Sep 2023 - Dec 2024

In progress, currently pursuing studies in Data Management, Analysis, and Web Development, with plans to explore further topics including Machine Learning and more.

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.

- Pathfinder Project

PROJECT EXPERIENCE

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

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

Android Application Development - Habot

Sep 2021 - Dec 2021

Full Stack Developer

Course: Introduction to Software Engineering, [Github page](#)

- Collaborated in a group of five to develop an android application that aims to help people record their daily habits.
- Leveraged strong design thinking skills and advanced technical proficiency in designing the user interface of the software, drawing UML diagrams, and integrating google APIs to allow the app to obtain the permissions of the phone's camera and photo album and users' real-time locations.
- Enhanced database management skills by applying the Firebase of Firestore to store massive online data, allowing different users to log in to their accounts on different devices.
- **Key Technologies:** Andorid Studio, Java, Firebase, Git

TECHNICAL SKILLS

Proficient: Python, C#, Javascript, Typescript, SQL, DRF, Git, MongoDB, HTML, CSS, Unix

Familiar: C, Java, Matlab, React, Angular, Unity, Node.js, Express.js, JWT, Figma