

Kexun Niu

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SUMMARY

As a new graduate full-stack developer, I come up with innovative solutions in various front-end frameworks, and analytical thinking in Python, Java and Node development.

Key Skills

Python | Java | JavaScript | TypeScript | C# | React.js | Basic Angular.js | Django | Node.js | Express.js
Spring Boot | SQL | MongoDB | Git | Unix | RESTful API | GraphQL | Unity

Other Skills

Heroku | Bootstrap | Material UI | Cypress | Unit Test | Docker | Kubernetes | JWT | Hadoop | Spark | Agile
Communication | Teamwork | Self-Driven

Education

Western University, M.Eng in Software Engineering Sept 2023 – June 2024

- GPA: 3.7/4.0
- **Coursework:** Data Analytics, Machine Learning, Web Development, Data Management, Cybersecurity, Human-Computer Interactive Design

University of Alberta, BSc in Computer Science Sept 2019 – June 2023

- GPA: 3.2/4.0
- **Coursework:** Algorithm, Software Engineering, Web Architecture, Machine Learning, Neural Networks, Product Management, NLP

Practical Experience

Student Developer, Skillcity – Edmonton, AB Jan 2023 – Apr 2023
Github

- Designed UML and Sequence Diagram techniques while gaining valuable expertise in Agile product management.
- Developed RESTful APIs for the application, proficiently acquired knowledge from the pre-existing codebase, subsequently.
- Enhanced code quality and system reliability through the incorporation of Django unit testing and Cypress testing for end-to-end(E2E) testing.
- Tools Used: DRF, JWT, Django Unit test, Cypress, Docker

Projects

Online Bookstore Front-end Repo
Back-end Repo

- Developed the frontend components using React.js and 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.
- Integrated third-party APIs: Google Book API, Pexels Image API, for enhanced functionality
- Tools Used: JavaScript, React, Bootstrap, Node.js, Express.js, Passport.js

Social Distribution 2022

- Developed and executed a complete Django RESTful API to support the frontend, resolving challenges like API performance optimization, authentication issues, and Node-to-Node API connections.
- Enhanced the user experience by designing and improving the user authentication UI/UX and refining the overall interface using Bootstrap.