

Kexin Lin

SOFTWARE ENGINEER · COMPUTER SCIENCE SPECIALIST · UNIVERSITY OF TORONTO

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Work Experience

Royal Bank of Canada

Toronto, Canada

SOFTWARE DEVELOPMENT ENGINEER

June 2021 - Now

- Reduced cycle time and labor effort of monthly RBC Datamart Communiques formulation by designing and implementing Communique automation, which integrates Jira, Jira Service Desk, Confluence, and Rundeck by Python scripts.
- Enabled users to monitor metrics with more flexibility by adding query parameters for endpoint configurations on the MonitorDog project of Spring framework.

Renos Design

Toronto, Canada

FRONT-END DEVELOPER (PART-TIME)

April 2021 - June 2021

- Enabled users to view and interact with 3D furniture models including adjusting light angles by implementing the viewer with React, Three.js, and Next.js.
- Implemented a 3D showroom with Three.js to support first-person and drag view with camera auto zoom-in for close-up views of furniture.

Tencent Technology Company

Shenzhen, China

PRODUCT MANAGER (INTERN) - JOOX MUSIC

May 2020 - August 2020

- Optimized labor efficiency by designing A/B test automation and task batch importing for the automated push notification system.
- Generated insights to promote user activity and prevent user loss by analyzing user behavior data using SQL and Python. Explored more push notification scenarios based on the data.
- Presented reports for product improvements after conducting product analysis and market research, with multiple feature suggestions adopted for future product iterations, including music search trends, personalized search rank, and joint subscription plans.

Education

University of Toronto, St. George Campus

Toronto, Canada

HON B.SC, COMPUTER SCIENCE SPECIALIST

September 2017 - June 2021

- Cumulative GPA of 3.99 / 4.00
- Dean's List Scholar · Innis College Later Life Learning Scholar
- Relevant Courses: Data Structures & Analysis, Algorithm Design & Analysis, Operating System, Databases, Computer Organization, Computer Networks, Web Development, Software Engineering

Skills

Programming Python · Node.js · Java · C · Bash · Racket

Front-end React · HTML · CSS · jQuery · Bootstrap · Material-UI · Tailwind CSS

Back-end Express · Flask · Spring

DevOps Rundeck · Docker · Kubernetes · Herokur · Netlify

Analytics Python NumPy/Pandas · R · SQL · MongoDB · Tableau

Projects

Moguls Video Analyzer

Toronto, Canada

FRONT-END DEVELOPER, TEAM LEAD

January 2021 - April 2021

- Lead a team of six for going through lean start-up for a SaaS product, providing the service of automated video processing to extract metrics for professional sports. Arranged regular meetings with our industrial partner from the Canadian Sport Institute.
- Worked as a front-end developer in a team of two and implemented features including drag-and-drop video uploading, video playing, sending requests for video processing, data saving with tags, data displaying, filtering, and sorting, with Javascript, React, and Material-UI.

UofT Eats

Toronto, Canada

FULL-STACK DEVELOPER

September 2019 - December 2019

- Worked in a team of five to created a web application for students to order food served by food trucks on campus.
- Implemented the back-end of the application including RESTful APIs, CRUD operations and user authentication with Express.js and Mongoose.
- Designed and constructed an aesthetic user interface in React and Material-UI to support menu, shopping carts, and pick-up reservations.