

# Ruoxuan (Roxanne) Li

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## EDUCATION

<b>Northeastern University</b> — Seattle, WA	May 2023
Master of Science in Computer Science	GPA: 4.0
Relevant Coursework: Object-Oriented Design, Algorithms, Computer Systems, Web Development, Computer Networking	
<b>Beijing Forestry University</b> — Beijing, China	June 2019
Bachelor of International Economics and Trade	
<b>Lakehead University</b> — Thunder Bay, Canada	Aug. 2017 - Jun 2018
1-Year Study Abroad Program	

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, C, HTML/CSS, JavaScript, SQL, Perl

**Frameworks and Tools:** Spring, Flask, Postgres, MongoDB, Hibernate, React, MySQL, Maven, Git, Jira, Docker, Hadoop, Linux/Unix, Bash/Shell

## EXPERIENCE

**Nokia Corporation**— Hangzhou, China Oct 2020 – May 2021

*DevOps Engineer Intern*

- Collaborated effectively with colleagues across two teams to develop tools for the 5G Physical Layer in code scanning, build automation, testing, and deployment, eliminating 80% of manual work and reducing human error significantly.
- Integrated Git plugin, Gerrit with Jenkins for the CI/CD pipelines. Saved over 50% of the original building process.
- Established a logging framework to log execution details into files using **Python** and **Perl**.

## PROJECTS

**Full-stack Personal Blog** Aug 2021

*Personal Project*

- Designed and established a personal blog based on **Spring Boot** to support features including administrator/user login, blog creation and management, commenting, searching, and categorizing.
- Designed interactive web pages with **HTML/CSS**, **JavaScript**, **jQuery**, and **Bootstrap**.
- Built relational databases with **MySQL** and used **Hibernate** as a bridge between the backend.

**Website Optimization for Memorial Sloan Kettering Cancer Center** Aug 2021

*Experiential Network Project, Northeastern University*

- Redesigned PathoMAN's website using **HTML/CSS**, **JavaScript**, and **jQuery** and enhanced the compatibility with **Flask** API.
- Accelerated the speed of connection between the functional pages and backend database.

**Linux Shell & Dynamic Memory Allocator** Jun 2021

*Northeastern University*

- Built a mini Linux Shell that supports a series of built-in commands using **C**.
- Implemented a dynamic memory allocator which consists of malloc, free, realloc, and calloc on the heap in **C**.

**2D Gesture-based Music Notation Recognition System** Sept – Nov 2020

*Northeastern University*

- Built a system for entering common music notation based on 2D gestural input in **Java**. The probability-based interpreter system integrated sequences of gestural input to perform common notation and editing operations.