

Ruoxuan (Roxanne) Li

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EDUCATION

Northeastern University — 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	
Beijing Forestry University — Beijing, China	June 2019
Bachelor of International Economics and Trade	
Lakehead University — 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
<i>DevOps Engineer Intern</i>	
<ul style="list-style-type: none">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
<i>Personal Project</i>	
<ul style="list-style-type: none">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	

<i>Experiential Network Project, Northeastern University</i>	Aug 2021
<ul style="list-style-type: none">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
<i>Northeastern University</i>	
<ul style="list-style-type: none">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
<i>Northeastern University</i>	
<ul style="list-style-type: none">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.	