

# Derrick Kim

Available: June 2024

Boston, MA 02115 | (310) 489-1003 | kim.der@northeastern.edu

## EDUCATION

Northeastern University, Boston MA

2020 – 2024(exp.)

**Khoury College of Computer Science**

Candidate for Bachelor of Science in Computer Science, 2024

Relevant Courses: Algorithms | Object-Oriented Design | Linear Algebra | Artificial Intelligence  
Database Design | Machine Learning and Data Mining | NLP

Honors: **GPA: 3.89/4.0** Dean's List

## TECHNICAL KNOWLEDGE

Frontend: TypeScript | JavaScript | React | React Native | Vue | Tailwind | HTML/CSS  
Backend: Java | Spring | Node | Express | Python | Flask | MongoDB | SQL | PostgreSQL  
Tools: Git | Jira | AWS | Terraform | OpenAPI | Appium

## WORK & VOLUNTEER EXPERIENCE

**Software Engineering Co-op, Mobile App**

July 2023 - December 2023

*CarGurus, Boston MA*

- Spearheaded the implementation of new features and native screens, elevating user experience using Typescript/React Native.
- Played a pivotal role in optimizing data flow within the application's API Gateway by contributing to backend development using Java/Spring and Open API Spec
- Improved system reliability and performance by enhancing an internal microservice to efficiently store user feedback in a SQL database, resulting in a notable decrease in failure rates
- Conducted A/B tests for new features to improve personalization, user experience, and conversion metrics

**Software Engineer (Volunteer)**

*Generate NU, Boston MA*

September 2023 - December 2023

- Developed a gifting service web application using React/Typescript and Go/Postgres
- Revamped Generate's website by refactoring codebase and implementing responsive layouts in React/JS

**SDK Developer Co-op**

Jan 2022 – Aug 2022

*Skillz Inc, Portland, OR*

- Collaborated on the development of UI features and components using React Native and JavaScript/TypeScript, ensuring code integrity through comprehensive automated testing
- Contributed to maintaining code quality using Jest and Appium

**Teaching Assistant for Discrete Structures**

Sept 2021 – Dec 2021

*Northeastern University, Boston MA*

- Work with a team of TAs to provide academic support to around 900 students
- Hold 4+ office hours per week to help individual students
- Assist faculty in grading, reviewing course material, and providing feedback on the course

## PROJECT EXPERIENCE

**Recipy**

- A cooking recipe blog web application developed using React/Typescript, Node.js/Express, and MongoDB

**Serverless Image Processor**

- Image processing pipeline developed using Terraform and AWS S3 and Lambda
- Supports processing, uploading, and retrieving images through one endpoint

**Newsletter Application**

- A news aggregator web application developed using Vue/Typescript, Flask/Python, and PostgreSQL
- Crawl article data from Google News and NYT using Scrapy/Python

**Personal Portfolio Website**

- A personal portfolio website developed using Vue/Typescript