

KEVIN ZHANG

Software Engineer

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Availability: Jan - Aug 2021

Education

Northeastern University

Graduation: Dec 2021

Degree: Bachelors of Science in Computer Science

GPA: 3.93/4.00

Relevant Coursework: Object-Oriented Programming • Computer Systems • Networks and Distributed Systems • Algorithms

Currently Taking: Programming Languages • Software Development • Theory of Computation

Stuyvesant High School

June 2017

GPA: 96.5/100.0

Relevant Coursework: Software Development, Computer Graphics, Systems-Level Programming

Skills

Languages: Javascript, React, Node, Java, Python, HTML/CSS, MongoDB, SQL, R, Lisp, Racket, PHP

Technologies: AWS (S3, DynamoDB, Lambda), Spring, Jenkins, Docker, Web Workers, Jest, Mockito, Heroku, Git, SVN

Experience

Trifacta • Software Developer Co-op

Jan 2020 - Aug 2020

- Implemented RBAC (role-based access control) Authorization microservice to enhance object-sharing on company product.
- Developed API endpoints to facilitate client-server communication between Java Spring microservices and React webpage.
- Integrated AI chatbot onto company platform, featuring built-in documentation, customer-data metrics, and onboarding tour.
- Rapidly diagnosed and fixed key issues in the development pipeline during deployment to avoid downstream effects.

PowerAdvocate • Full-Stack Developer Co-op

Jan 2019 - Aug 2019

- Worked on several web applications using different technologies such as React, Node, DynamoDB, Java, Spring Boot, and Memsql.
- Developed data admin platform with a microservice-based architecture that improved legacy operations by orders of magnitude.
- Optimized performance by using multi-threaded technologies such as Javascript Web Workers, AWS Lambda, and Spring Batch.
- Core member of scrum team, active contributor to software design decisions, and lead presenter of product and technical details.
- Contributed to side-projects during after-hours, including a new recruiting tool and an application for organizing company events.

iD Tech Camps • Instructor

June 2018 - Aug 2018

- Organized personalized lesson plans to teach programming in Javascript, HTML, and Scratch for up to 10 students every week.
- Facilitated communications with over 60 parents during check-in and family meetings each week.
- Directed and managed over 30 students during outdoor activities, safety drills, and family meetings.

Projects

Algo Visualizer

Aug 2020

- Algo Visualizer is a web application developed using React and Typescript to visualize pathfinding algorithms such as A*, DFS, BFS.
- Designed using the Model-View-Controller framework in mind to ensure a highly configurable and easily expandable program.
- Features include expandable grid view, restartable and selectable algorithms, and configurable walls and endpoints.

PA Game Night

Apr 2019

- PA Game Night is a web application developed using React, Node, and Express that allows users to pick board games as a group.
- Deployable on multiple platforms with data synchronization, randomization of selections, and database integration.
- Features include ranked selection of games, multiple users, and two different views (organizer and participant).