

Emma Zhang

Minneapolis, MN

-Email me on Indeed: <http://www.indeed.com/r/Emma-Zhang/4e8d35a015a70ca8>

Summary: Experienced software engineer skilled in developing secure and reliable software. Well versed in RESTful API development, back-end and front-end tools such as Java, Spring, C++, Typescript and React. Seeking a full-time software engineer position.

Willing to relocate: Anywhere

Work Experience

Software Engineer

Veritas Technologies LLC - Roseville, MN

September 2019 to November 2021

- Worked as core API developer for Veritas's NetBackup product.
- Collaborated in agile team to achieve development goals through sprints, planning meetings and demos with architects and product managers.
- Increased client retention by 30% by improving web UI query performance through caching API response, paginating large results and using PATCH to update partial resources.
- Researched and developed a more secure and scalable authentication system that provides SSO, MFA for user sign-in using Spring boot, Kubernetes and Docker.
- Reduced server burden by 10% through building a smart pruning program in C++ to allow users to access data on demand.
- Increased test coverage by developing unit, component and end-to-end tests in Java, C++ and Perl.
- Debugged, tested and fixed front-end UI bugs using Angular and TypeScript

Computer Science Teaching Assistant

Macalester College - Saint Paul, MN

August 2018 to May 2019

- Tutored freshmen and sophomores basic data structures and algorithms.
- Answered student questions and graded weekly homework.

Software Engineering Intern

Software for Good - Minneapolis, MN

June 2018 to August 2018

- Developed client app to match professional skills with community needs using Ruby on Rails and ReactJS.
- Implemented RESTful services for users/organizations to login, sign up, connect and match, and created front-end UIs using React, CSS/SASS, Flexbox.
- Designed and manipulated database models in PostgreSQL.
- Deployed and monitored continuous integration using Jenkins and Heroku.

Education

B.A. in Computer Science

Macalester College

August 2014 to May 2019

Skills

- RESTful
- Docker
- C++
- Kubernetes
- Spring
- Java
- Django
- Python
- Flask
- TypeScript
- React
- PostgreSQL
- Rust
- JavaScript
- Git
- Agile
- AWS
- User Interface (UI)
- Jenkins
- CSS
- MySQL
- Unit Testing
- Microsoft SQL Server
- SQL
- Linux
- Pijul
- Full-stack development
- Back-end development
- Node.js
- GitHub
- Unity
- Go

- Google Cloud Platform
- Go
- Azure
- UNIX
- C#
- C
- Responsive web design
- HTML5
- API development

Links

<http://github.com/haimengzhang>

<http://linkedin.com/in/haimeng-zhang-1012>

Certifications and Licenses

Architecting on AWS Certification

Present