

Max (Tianyu) Li

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Skills

- Programming Languages: JavaScript, Python, Ruby, HTML5, CSS3
- Frameworks & Tools: React.js, Redux.js, Ruby on Rails, Git, PostgreSQL, MongoDB, Express.js, Node.js, AWS S3

Experience

Cisco Systems

San Jose, CA

Full-Stack Software Engineer

May 2020 - Aug 2021

- Developed and Maintained web applications and internal tools utilizing Python, React/Redux, Node.js, Express, MongoDB, and Hugo.
- Built a web application for the Cisco research team to present information related to the team's interests and activities externally:
 - Developed **RESTful APIs** with **Express.js** for handling HTTP requests made by **Axios.js**.
 - Refactored the front-end application by implementing **React/Redux**, leading to a more maintainable and performant framework for the team's continued development efforts.
 - Designed **NoSQL** Databases structure to plan keys and indexes base on query patterns and data usage to optimize data access.
- Maintained legacy internal data visualization dashboard application and data scraping tool:
 - Maintained data scraping tool base on the HTML structure of the third-party data storage website.
 - Resolved critical bugs in Cron on Ubuntu server that runs the data scraping script on daily basis.
- Collaborated with the SRE team to build a static web application for the Cisco ET&I team to display published technology-related blogs:
 - Developed the static web application utilizing **Hugo** framework for faster build time and static performance.
 - Strategized **UI/UX design** with Project Managers to develop cross-device responsive web design to improve user experience.
- Interviewed prospective employees and mentored junior software developers on the team.

Projects

WoWelp [Live Site](#) | [Github](#)

Dec 2019 - Apr 2020

A web application inspired by Yelp that allows users to post their businesses and share their experiences

- Implemented search and filter features by using JQuery and Ajax API call to select and fetch businesses with Rails controller to render businesses.
- Integrated AWS S3 to allow user image uploads improving server performance and allowing scalability.

CampList [Live Site](#) | [Github](#)

Dec 2019 - Apr 2020

A web application that allows user to share their camping experience on the Bureau of Land Management (BLM) lands

- Utilized Google Map API with feature-based filtering to display the location of the campsite on a map
- Connected campsite model with user model by implementing database references

Education

The Pennsylvania State University

Aug 2014 - Dec 2018

Bachelor of Science in Mechanical Engineering