Liheng Yi

Software Engineer, Silicon Valley, CA | (904)-444-9783
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EDUCATION

Northeastern University, Silicon Valley, CA *Expected Sep 2025*
Master of Computer Science
Related Courses: Algorithms, database management, web development.
Concentration: Software Development.

Oregon State University, Corvallis, OR *Jan 2021 – Aug 2023*
Bachelor of Computer Science
Concentration: Software Development& cyber security.
Provost's Excellence Merit Scholarship for top 10% students, $6,000 a year.

TECHNICAL SKILLS

- Python, JavaScript, Dart, C++
- React, HTML5/CSS3, Bootstrap
- Git, Docker, AWS(EC2, Dynamo DB, S3, Lambda), GCP, Kubernetes
- Express, Node.js, SQLite, REST APIs, MongoDB, GraphQL

EXPERIENCE

Software Development Engineer Intern, Beijing, China *May 2023 - Aug 2023*
Knownsec, Inc.
- Designed and developed the front-end for a college recruiting contest website using TypeScript, React.js, and CSS3.
- Utilized Git for version control, Webpack for module bundling, Jest for unit test ing, and Postman for API testing, ensuring robust code management and seamless integration of full-stack systems.
- Led an A/B testing initiative on the client interface, resulting in an 8% increase in DAU over a 3-month period.

Oregon State University, Corvallis, OR *Sep 2022 - Aug 2023*
Teaching Assistant
- Conducted in-depth online research for course materials with professors, including "Cybersecurity intro", "Database Management System".
- Provided timely FAQ, grading, and hosted office hours for over 120 students per class.

PROJECTS

GIS-based-Tool-for-Disaster-Recovery, ArcGIS Pro Toolboxes and web-map. *Sep 2022 - Jun 2023*
https://github.com/Jaron-U/GIS-based-Analysis-Tool-for-Disaster-Recovery

- Developed GIS toolkits in ArcGIS Pro enhancing disaster response analytics.
- Engineered a Flask web-map for hazard-avoidance routing, integrating Open Routing Service and ESRI APIs.
- Deployed via Docker on a Digital Ocean Droplet with nginx reverse-proxy.
- Managed server security with ufw; enabled HTTPS with Certbot.

Home-Designer, order system for interior design company. *Feb 2023 - Jul 2023*
https://github.com/Liheng-Yi/Home-Designer

- Built a full-stack web app that helps companies better manage their design projects and customers.
- Designed and implemented a modern design interface with over 3000 lines of CSS.
- Utilized React, SCSS, bootstrap, for front-end. Node.js, Express, MySQL (MariaDB) for back-end.

Boat-Inventory-System, comprehensive API to manage inventory. *May 2023 - Aug 2023*
https://github.com/Liheng-Yi/BoatInventorySystem

- Utilized Express.js to design RESTful APIs, enabling CRUD operations for inventory on Google Cloud Platform.
- Integrated JWT for secure authentication and OAuth for user login.
- Implemented error handling, pagination, and content negotiation to serve data in JSON and HTML formats.