

Ziping Liu

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Analytical and experienced Software Development Engineer with over nine years of experience in backend and frontend development operations, specializing in Node.JS, AWS, JavaScript, and ReactJS. With a strong foundation in Software Engineering and Full-stack Development, I have honed my skills through contributions to open-source projects and innovative web applications. My expertise extends to creating Unit Test cases and developing RESTful web services. My academic background in Computer Engineering, Electrical Engineering, and Asian Cultures and Languages has equipped me with a diverse skill set that includes proficiency in SQL, WordPress, and CD and CI. Resume rendered on-demand at 4/27/2024, 2:40:56 AM via ziping.liu.academy.

Experience

Independent Software Developer (Full-time)

June 2022 to Present
Remote

Self-Directed Learning and Development 🧑🎓

- Post my stint at Amazon Web Services, I chose to focus on significant personal development, honing my technical and problem-solving abilities.
- I made use of the wakatime.com tracking system to monitor my coding activities, which allowed me to identify patterns, productivity levels, and areas for improvement in my programming habits.
- This self-driven exploration allowed me to expand my software development knowledge - advancing from diverse applications and systems to more intricate, scalable, and distributed systems.
- As a testament to the progress made, my Codesignal profile rates my knowledge and proficiency in algorithms and coding as 'expert' - an elevation from my pre-independent-learning-rating.

Software Development Engineer (Full-time)

March 2020 to May 2022
Seattle, Washington

Amazon Web Services 

- As a software development engineer, I actively engaged in backend, frontend, and devops; accordingly, I collaborated with lead engineers to enhance operational efficiency through the creation of sophisticated protocols and comprehensive frameworks for continuous integration and deployments.
- I was instrumental in front-end feature development, with a special emphasis on React - and worked closely with our UX team to ensure technically feasible UX designs.
- I led revisions in accessible UX text through empathic and inclusive writing stylizations, as well as enabling our technical writing teams to fully understand our back-end and front-end services given my role as a key point of contact.

Software Engineering Intern

May 2019 to August 2019
Sugar Land, Texas

Texas Instruments 

- I meticulously analyzed the viability of digital signal processors in executing deep learning algorithms, which traditionally operate via graphics processing units (GPU).
- I spearheaded a team project for TI's annual internship design challenge, creating a local, voice-controlled spice-rack, viewable here: <https://www.hackster.io/spicerack-team/voice-controlled-spice-rack-235834>

Patent Engineering Intern

May 2017 to August 2017
Boulder, Colorado

Holland and Hart LLP 

- I was interested in legal aspects of IP and patent law, which resulted in my internship at a prestigious law firm, Holland and Hart LLP

Electrical Engineering/ Signal Processing Intern

June 2016 to August 2016
Austin, Texas

TICOM Geomatics (CACI) 

- Worked within a defense contractor, which provided a different environment from both private and public sectors.

Electrical Engineering Intern

June 2015 to August 2015
Houston, Texas

Hewlett-Packard Enterprise 

- I also implemented automated full color spectrum factory calibration with full color spacing at the production pipeline floor levels involved in laptop manufacturing.

Education

University of Texas at Austin  The University of Texas at Austin
Cockrell School of Engineering
Bachelor of Science in Computer and Electrical Engineering

Graduated Fall 2019

University of Texas at Austin  The University of Texas at Austin
College of Liberal Arts
Bachelor of Arts in Asian Cultures and Languages

Graduated Spring 2019

Projects

Pin-Yin Annotator Tool for Chinese (Mandarin) Characters Web Application

- A complimentary online text editor designed with the capability to append pin yin as annotated text to Chinese characters. This tool was born out of my personal struggle to locate an annotator that was user-friendly and harnessed the power of the most recent web technologies.
- This tool is still in development and is free to use at <https://a2z.institute>

Continuous Deployment and Integration through Github

- Recognized as a distinguished leader in development operations, I have consistently found this challenge captivating and have persistently aimed to enhance existing procedures.
- With the universal acceptance of GitHub as the premier platform for monitoring code alterations and the accessibility of advanced features and tools, I embarked on a personal journey to investigate the potential of harnessing these resources to establish a comprehensive continuous deployment and integration system, even as a complimentary user. I successfully engineered and presently sustain a functional continuous deployment and integration system for one of my most active projects on GitHub, viewable via the redirect link: <https://zi-ping.com/projects/react-adobe-embed>

Notable Skills

TypeScript or JavaScript React or React.js Java C MySQL NPM Node or Node.js Cypress GCP Azure AWS CD and CI Frontend or Backend Wordpress

Social Links

 [LinkedIn](#)

 [Github](#)

 [Wakatime](#)

 [CodeSignal](#)

 [Blog](#)

 [YouTube](#)