

Xin Wang

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Education

University of California, Riverside

Bachelor of Science in Computer Science with Business Applications

Dean's Honors List: Spring 2020, Winter 2021, Spring 2021; CodePath Advanced Software Engineering Certified

June 2022

Riverside, CA

Work Experience

Software Engineer, VMware - VMware Cloud (VMC) Pod Team

July 2022 -

- Developing and implementing SDDC (software-defined data center) multi-cloud solutions including bring-up, auto-scaling, software-update, and configuration for VMC on AWS and other partner clouds

Software Engineer Intern, Vistendo - Internal Tools & Infrastructures

May 2021 - July 2021

- Developed 15+ critical components for the company's progressive web application (PWA) with React.js while resolving conflicts of miscellaneous components to provide seamless customer navigation and overall ease of use
- Streamlined secured file transfers with SFTP and SCP protocols from company proprietary medical devices by building an application in C++, guaranteeing successful files export and import, and resulting in increased efficiency of over 50%
- Coordinated Amazon S3, AWS Lambda, AWS DynamoDB, and AWS Cognito to aid implementation and transfer with file storage, video processing management, data storage, and controlling accessibility permissions

Engineer Intern, UCR Health

October 2020 - June 2021

- Formulated 15+ Microsoft Flows to conjoin manual tasks into integrated, cohesive, and automated processes, improving workflow efficiency by up to 75%
- Leveraged communication and technical skills that forced specific HTML and JSON implementation to meet ever-changing demands and specifications, leading to 100+ successful automation

Computer Science Co-Lead, NASA L'SPACE Academy

January 2021 - May 2021

- Administered and facilitated a group of 4+ students in leveraging specific mission development skill training from official NASA scientists and corroborating application towards outlined specifications
- Engaged in a 12-week long rigorous, project-based workforce development researching and designing a payload system that explores the Venusian atmosphere and abiding by a \$250 million budget constraint
- Solicited greater insight and expertise into NASA mission protocols, procedures, and practices while conducting analysis of surface conditions to create successful entry, descent, and landing maneuvers

Projects

Spotability, Group

www.github.com/xinwang-git/spotability

- Prototyped with 3 other colleagues a dating platform that matched individuals based on compatibility through each other's music taste - leveraging a variety of tools and frameworks such as Figma, MongoDB, React.js, Django, and ChakraUI
- Won 2 awards in competition against 160+ other participants at Binghamton University's HackBU 2022, receiving both Best Valentine's Day Hack and Best Design (UI)

Explorify, Independent

www.github.com/xinwang-git/Explorify

- Ideated and designed Explorify, a music exploration tool exploiting Spotify's Recommendation API, allowing users to select 5 reference tracks and fine-tune specific track attributes to compile seeds resulting in music discovery
- Demonstrated full-stack web development consisting of front-end programming with React.js statically rendered on top of back-end programmed framework Express.js (Node.js)
- Instanced web service with Amazon EC2, PM2, and reverse-proxied with Nginx to serve an Elastic IP address

JPMorgan Chase & Co. - Code for Good, Group

- Implemented 10+ front-end components in compliance with ADA guidelines, utilizing internationalization frameworks (i18next) to develop a local bilingual user interface that fully supported both English and Spanish website navigation
- Created from scratch a full-stack application utilizing Flask, React.js, and SQLite iterating, developing, and providing an interface for a non-profit organization (GLSEN) that sources bullying and harassment policies across education agencies

Skills & Interests

Technical: C++, C, C#, Python, HTML5, CSS3, JavaScript, TypeScript

Tools & Frameworks: Node.js (React.js, Next.js, Express.js), Figma, AWS, Git, SQL, Agile Methodology, Docker, Kubernetes

Interests: Discovering new music (motivation for Explorify!), urban hiking, and maintaining fluency in Mandarin Chinese