

# Xin Wang

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## Education

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### 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

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### 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

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### Spotability, Group

[www.github.com/xinwang-git/spotability](https://www.github.com/xinwang-git/spotability)

- Prototyped with 3 other colleagues a couples dating platform through similarities of mutual 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](https://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

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**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