

Xin Wang

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Education

University of California, Riverside

Bachelor of Science in Computer Science with Business Applications, Major GPA: 3.51

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

June 2022

Riverside, CA

Work Experience

VMware

Incoming Software Engineer

July 2022 -

Palo Alto, CA

Vistendo

Software Engineer Intern

May 2021 - July 2021

Arcadia, CA

- Developed 15+ critical components of their progressive web application (PWA) with React.js while resolving conflicts of other user interface elements to provide smooth consumer experiences
- Streamlined secured file transfers through SFTP and SCP from company proprietary device to systems by building an applet in C++, guaranteeing successful files export and import, 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

UCR Health

Engineer Intern

October 2020 - June 2021

Riverside, CA

- 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
- Supplemented front-end development by constructing the format and styling code for decisive attachments, accumulating over 250+ documents composed

NASA Lucy Student Pipeline Accelerator and Competency Enabler

Computer Scientist & Subteam Co-Lead - Apprenticeship

January 2021 - May 2021

Tempe, AZ (Remote)

- Administered and led 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 a successful entry, descent, and landing maneuvers

Projects

Explorify - Independent

<https://github.com/xinwng/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
- Practiced full-stack web development with React.js statically rendered on top of back-end framework Express.js (Node.js), and instanced web service with Amazon EC2, PM2, while reverse-proxying requests through 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

Splice - Group

<https://github.com/xinwng/splice>

- Facilitated a group of 2 other students over 10 weeks to utilize best practice design patterns aimed to program and ship an executable effectuating the concept of splitting the check with friends and family when dining out
- Built over 200+ unit tests in C++ with the Google Test Framework to verify that software logic is independent of hardware and ensure the project is as optimized as possible

Skills & Interests

Technical: C++, C, C#, Python, HTML5, CSS3, Javascript, JSON

Tools: React.js, Node.js, Express.js, Sass, Bootstrap, AWS, Git, Microsoft Power Automate/SharePoint

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