Victor He

(626)-866-4211   victorvanhe@gmail.com   linkedin.com/in/vvhe   vvhe.dev

Work Experience

Software Engineer *Cordblood.com* - Los Angeles, CA   October 2019 - Present

- Migrated 430k+ users to AWS Cognito user directory which improved security and cut down the runtime of authentication operations by up to 95%; implemented custom workflows with Lambda functions
- As the front-end technical lead, launched foreign language views of Cordblood.com for i18n
- Built and wrote unit tests for data access API in .NET and MSTest to retrieve and use data from Salesforce CRM and improve website performance
- Supported existing software products, investigated errors to reproduce issues, and developed fixes in the following technologies: .NET, WordPress, MS SQL Server, etc.
- Created documentation for onboarding to new tech stacks and better maintainability

Full Stack Engineer *AIA MiniCafe* - Guangdong, China   May 2019 - August 2019

- Developed a mobile storefront for a boba shop in JavaScript and Vue.js, which accumulated 1200+ orders and eliminated 15-minute wait times during rush-hour
- Designed and built a customer loyalty system and store management interface with Lambda functions and NoSQL DB
- Reduced application load time by 50% by caching queries and optimizing image formats

Software Engineer Intern *Bentley Systems* - San Diego, CA   June 2017 - September 2017

- Developed a reference architecture for microservices in C# ASP.NET Core tech stack in a 13-week internship
- Accelerated developer velocity by creating guides and documenting use cases for different libraries

Projects

Over the Web Prescription   June 2020 - Present

- Designed and developed a health information website with Vue.js, JavaScript, and SASS to recommend products and proper regimens for common medical conditions and reduce unnecessary hospital visits
- Implemented a Headless WordPress architecture with GraphQL to decouple front and back-end, allowing non-technical users to publish content through the WordPress admin interface

Ceramic Tile Classification System   September 2018 - May 2019

- Built a Python program using computer vision and machine learning to automate the assessment of ceramic tile production quality for a startup
- Constructed a workstation prototype – equipped with an industrial camera, lighting, and sensors – to collect data and perform classification on 60+ tiles/min production lines

Education

Bachelor of Science, Computer Science   Graduated June 2018

University of California, San Diego   Major GPA: 3.92 (*magna cum laude*)

Technical Skills

Languages/Frameworks: JavaScript, Vue.js, Python, C#, .NET , SQL, GraphQL, WordPress, HTML, CSS, SASS

Other: AWS Cognito, Lambda, SES, S3, MS SQL Server, NoSQL DB, GitHub, Visual Studio, MSTest, Scrum, JIRA