

# Victor He

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## 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** *ALA 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

- Accelerated developer velocity in the C# ASP.NET Core tech stack by creating guides and establishing a reference architecture for microservices

## 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