

Sabrina Hyunmi Ko

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Work Experience

Frontend Software Engineer II May 2021 – June 2023
HashiCorp (Waypoint) San Francisco, CA/Remote

- Integrated Ember.js application for Kubernetes-focused continuous deployment service into company's hosted cloud platform while maintaining testing and WCAG accessibility standards
- Led and delegated efforts in creation of overview pages for deployments and releases
- Oversaw transition to new Helios design system, coordinated with design system team's release timeline of components to ensure timely and visually seamless integration
- Implemented live interactive terminal in web application utilizing Xterm.js library and WebSocket API calls that displayed logs of deployment process
- Participated in weekly group pair programming sessions focused on developer experience improvements, package upgrades, and bug fixes outside of sprint's scope

Software Engineer - UI Team Jan 2020 – Apr 2021
HealthVerity Philadelphia, PA

- Deployed React app with Django backend for searching HIPAA-compliant lab results
- Refactored legacy React to meet ES6 standards and created unit/integration tests with Jest
- Created a data visualization dashboard of COVID-19 vaccine distribution with AWS QuickSight
- Led efforts to improve company-wide documentation through steps in the CI/CD process
- Developed management tools for AWS Lambda pipeline with Docker + EC2
- Drafted company's public diversity statement in coordination with Marketing team as an inaugural member of Equity, Inclusion, & Diversity Council

Mobile Developer Aug 2018 – Jan 2020
Hava Health Philadelphia, PA

- Developed and extensively documented iOS and Android apps for connected nicotine cessation device for startup backed by VCs such as Backstage Capital, Village Global, Quake Capital
- Programmed a BLE (Bluetooth Low Energy) connection pathway with company's custom PCB, established communication standard between device and phone
- Utilized core frameworks, RESTful API, and 3rd party libraries in both iOS and Android app development

Frontend Software Engineering Intern May 2018 – Aug 2018
FlashStarts Accelerator Cleveland, OH

- Polished UI/UX of iOS app for B2B startup in conversion to paperless options
 - Produced high-fidelity app prototypes of nicotine cessation app using Swift
 - Designed and constructed Wordpress websites for two startups
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Education

Smith College Northampton, MA
B.A. English Literature, Computer Science Minor Sep 2014 - May 2018

- Computer Science GPA: 3.72/4.00
 - Mary Augusta Jordan Poetry Prize Winner 2018
 - Asian/Pacific/American Studies Certificate
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Projects

Docket Dashboard | *React, Javascript, Python, Django* Sep 2023 – Present

- Contributed to React/Django application for Philadelphia Lawyers for Social Equity (PLSE) to generate criminal record expungement paperwork
- Refactored React code to align with standardized industry practices

Color Journal | *React, Firebase, HTML, CSS, Javascript* Feb 2021 – Mar 2021

- Created React app with Firebase backend for logging moods through colors with optional notes
- Set up email authentication and database rules to restrict access to data to only logged in user

The Pill-grimage (Project Manager, Game Programmer) | *Unity, C#, VR* Jan 2018 – May 2018

- Crafted with a team of three a tower defense-style video game played in virtual reality
 - Coordinated weekly work schedules for all team members to keep project on task and completed in a timely manner and created weekly presentations of progress
 - Programmed enemy movement, control of mob waves, and shop functionality in C# within the Unity engine
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Technical Skills

HTML, CSS, SCSS, Javascript, Typescript, Node.js, React.js, React Hooks/Redux, Ember.js, Web Accessibility (A11y), Agile/Scrum, gRPC/gRPC-Web, REST APIs, OSS (Open Source Software), Gatsby, Python, Bash, Git (Version Control), Docker, Kubernetes, AWS (S3, Lambda), GCP, CircleCI, Jenkins CI/CD, Figma, Adobe XD, Swift, Xcode, Kotlin, Android Studio, Java, NoSQL (Redis), Relational databases, Unity, VR, C#, Unit Testing, Integration Testing, QUnit, Jest