
AKI GAO

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Profile

I am a Software Engineer passionate about creating software that positively impact people and society. I offer three years of professional experience in software development using the JavaScript ecosystem and functional programming paradigms in Agile (Scrum) environments, as well as accessibility best practices. My areas of professional interests include the web, distributed systems and scalable & performant software.

Skills

Languages:

JavaScript, Shell (Bash)

UX/UI & Front End Technologies:

Figma, HTML, CSS, JQuery, React, Redux, Emotion

Back End Technologies:

Node.js, Express, PostgreSQL

Development and Testing Tools:

Git, Yarn, Webpack, Babel, Jest, ESLint

Accessibility Tools & Technologies:

JAWS, NVDA, VoiceOver, TalkBack, ARIA

Back End Technologies:

CircleCI, Docker, Kubernetes, Google Cloud Platform

Work Experience

User1st - *Solutions Integrator*, Washington, D.C.

January 2020 - Present

- Remediates websites to comply with WCAG 2.1 AA standard and Section 508 guidelines for clients using User1st's uRemediate™ platform with CSS & JavaScript.
- Audits client websites and mobile applications for compliance with WCAG 2.1 accessibility standards.
- Create internal tooling to automate tasks & improve productivity including:
 - A command-line tool built with Node.js & Puppeteer to automate website URL discovery and auto-generate web page screenshots to reduce inefficiencies with client time estimation for websites.
 - A cross-browser extension built with the WebExtension browser API to inject runtime environment for client sites without neccessary uRemediate snippet installed to replace unreliable and faulty tooling.

Alluminate - *Full Stack Developer*, Washington, D.C.

November 2017 - February 2018

- Provided high-level technology expertise and development capabilities for in-house and consulting work ranging from UX/UI design to smart contract development.
- Designed and maintained the company's homepage as well as landing pages for several products.
- Designed and audited Ethereum smart contracts for ERC-721 compatibility and general correctness.

Booz Allen Hamilton - *Technologist*, Herndon, VA

May 2017 - November 2017

- Developed proof of concept Blockchain applications based on Ethereum for various government organizations, including the U.S. Treasury and the FDA.
 - Worked across the stack from UX/UI design to implementation of front end and back end logic in React and Express respectively, as well as deployment to various cloud providers including AWS and Azure in an Agile environment.
 - Translated requirements from the stakeholder, and convert requirements into tasks to be distributed among team members.
 - Participation, expertise and leadership in projects led to conversion of one project from a proof of concept work into a full-fledged proposal for a contract bid.
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Education

The University of Virginia: School of Engineering and Applied Science (SEAS)

August 2016

- B.S. Computer Engineering & B.S. Electrical Engineering