Mayumi A. Ohara

Full Stack Software Developer

me@mayumi.dev -- https://mayumi.dev

Technical Skills

TypeScript, React, React Hooks, Redux, Vue, Vuex, Express, Cypress, Git, Google Cloud, AWS, Heroku, Responsive Design and Development, REST, HTML5, SCSS, CSS3

Professional Experience

Vibrant Emotional Health, New York, NY (remote)
08/2019 – 07/2021
Full Stack Software Developer
Designed and developed custom organization-specific integration of third-party vendor product for a web-based chat version of the National Suicide Hotline.
Highly involved in refactoring of existing organization solutions to more modern frontend web frameworks, such as React and Vue, in order to decrease overall development and maintenance time for future products, as well as better align existing products to a more singular stack.

Serco Inc., Picatinny Arsenal, NJ
08/2017 – 02/2019
Lead Software Developer and Systems Analyst for U.S. Military Defense
Designed, developed, and integrated essential cross-platform deliverables with Electron, using Node.js and jQuery, for a Windows 10 and custom Linux environment.
Developed C++ and C# hardware simulators using TCP/IP protocol to assimilate into an embedded training system in the system architecture.
Designed unit tests with Google Test for individual C++ software components to assist with system integration.
Incorporated a facial recognition program using Python library OpenCV2, as well as a custom object detection system trained and run with Tensorflow into a robotics system running on ROS.

Nicalis, Inc., Santa Ana, CA
05/2014 – 08/2014
Game Development Intern
Received business and engineering mentorship through shadowing of CEO, representing company at industry events (E3 2014, Anime Expo 2014), and participating in project briefings with internal and external clientele.
Participated in Unity game development using C#.

Personal Projects

ACPatterns
Vue, SCSS
11/2018 - On Going
https://acpatterns.com
Worked alongside two other developers to develop and design an application that supports a community with tens of millions of users.
Featured in Wall Street Journal, Kotaku, Polygon, Washington Post
Forked by Getty Museum, the Metropolitan Museum of Art, Jackbox Games
Used by the Joe Biden Campaign and more

Guardian
TypeScript, React, Redux, SCSS, Figma
07/2021 - On Going
https://guardian.mayumi.dev
Designed and developed a helper software for the online dragon breeding game Flight Rising.

Helps users determine the outcomes of possible offspring of a pair of dragons, as well as narrow down the best pairs for a chosen potential outcome.
Provides a useful graphic interface for players to share breeding outcomes with other users.

Elder Drake
TypeScript, DiscordJS, Express, Heroku
07/2021 - On Going
Developed a Discord bot to query and display information on the online MOBA game League of Legends.
Released publically and is the (somehow) the only bot that provides this service.
Parses responses from a complicated and hardly maintained API.

Portfolio Site
Vue, TypeScript, SCSS, Google Cloud, Figma
05/2018 - On Going
https://mayumi.dev
Designed and developed a portfolio site for personal use.
Referenced and researched UI design through articles, YouTube, and observation in order to better personal design skills.
Developed a personal styling standard and applied it to a SCSS module system, in order to be reused for further personal projects.
Collaborated with illustrators and graphic designers for their expertise and contributions to the site.

Education

Bachelor of Science in *Computer Science*
William Paterson University, Wayne, NJ
09/2013 - 05/2017
Honors Program in Cognitive Psychology, focus in Artificial Intelligence
Computing and Information Honors Society Upsilon Pi Epsilon Member
Computer Science Tutor for Computer Science I & II (C++), Digital Logic, Data Structures, and Discrete Math

References

Contact information is available upon request.

Walter Yosafat -- Chief Technical Officer
Vibrant Emotional Health, New York, NY

Paul Rogers -- Project Manager
Vibrant Emotional Health, New York, NY

Derek Parry -- Software Developer
Vibrant Emotional Health, New York, NY (Remote)

Mike Verducci -- Senior Software Engineer
Cimpress, New York, NY (Remote)

Brandon Walsh -- Software Engineer
Capital One, New York, NY (Remote)

Alexander Schutz -- Android Engineer
Butterfly Network, New York, NY (Remote)