

CATHERINE PHAM

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Portfolio: bit.ly/cwwportfolio | Github: bit.ly/cwwgithub | LinkedIn: bit.ly/cwwlinkedin

Full-Stack Web Developer with a certificate from the University of Washington, and with an MS in Marine Science and a BS in Environmental Sciences. Analytically minded individual who enjoys seeking out new information in order to solve specific problems. Passionate about learning for the sake of learning. Self-reliant, but also appreciates hearing the unique perspectives that come out of working with a diverse team.

TECHNICAL SKILLS

Web development: HTML, CSS, JavaScript, Git, Bootstrap, Materialize, JQuery, Firebase, NodeJS, ExpressJS, HandlebarsJS, MySQL, Heroku, MongoDB, ReactJS, PassportJS, TypeScript.

Data analysis: R, SAS, ArcGIS.

Other: Microsoft Office, Adobe Photoshop, Adobe Lightroom.

PROJECTS

Frenemy (in development) Github: bit.ly/frenemygit | Live: bit.ly/frenemylive

- A social app that connects people from opposite ends of the political spectrum based on personal interests.
- Wrote the algorithms for matching users, and responsible for user authentication.
- HTML5/CSS3, TypeScript, Materialize, MERN stack, PassportJS.

SenSaison Github: bit.ly/sensaisongit | Live: bit.ly/sensaison

- An app for citizen scientists to document seasonal natural history events, and that allows registered users to download the data to use as they see fit.
- As the lead developer, managed the database and server, built the user authentication system, and conceived of the overall design.
- HTML5/CSS3/JS, Materialize, JQuery, NodeJS, ExpressJS, MySQL, Cloudinary API, PassportJS.

Rain on Your Parade Github: bit.ly/rainonyrparade | Live: bit.ly/rainonyrparadegit

- An event finder that shows the weather forecast for events of interest.
- Developed the weather forecast portion of the app and contributed to the front end.
- HTML5/CSS3/JS, Bootstrap, Firebase, Eventbrite API, Google Places API, Dark Sky API, Skycons library.

EXPERIENCE

University of Washington Full-Stack Coding Boot Camp, Seattle, WA June 2019 – Present

Teaching Assistant | Tutor

- Assist in teaching a class of 27 adult learners by facilitating independent problem solving.
- Patiently guide individual students through difficulties by identifying weak spots, reinforcing bases, and using the Socratic method.

Ardenna Ecological Research, Seattle, WA 2011 – 2019

Founder | Wildlife Biologist

- Provided ecological research services such as analyzing data in R, SAS, or ArcGIS, writing reports of an average of ten pages, and evaluating new research protocols, to various agencies and institutions.
- Efficiently managed up to three projects simultaneously while working primarily remotely.

Ocean Trawler Yachts, Seattle, WA

CRM Database Manager

2013 – 2014

- Successfully managed the transition of over twenty years of paper records of client personal and business information into the customer relationship management database *Act!*
- Trained staff in the use of the database, including how to maintain data integrity and client privacy.

Northwest Seaport, Seattle, WA

2013 – 2014

Volunteer

- Took the initiative to build a new volunteer, donor, and donation database using MS Access and SQL to allow for more secure and efficient management of personal and financial information.
- Educated visitors about maritime history as a docent onboard the historic tugboat *Arthur Foss*.

EDUCATION

University of Washington, Certificate, Full-Stack Web Development	2019
Hawai'i Pacific University, Master of Science, Marine Science	2016
University of Virginia, Bachelor of Science, Environmental Sciences	2009