MARGUERITE WISEMAN

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SUMMARY

I am a full-stack developer and former teacher. My teaching background has given me strong problem-solving, communication, and collaboration skills. My goal is to build incredibly effective user interfaces that make a difference in people's lives.

EXPERIENCE

Lead Developer & Designer, Cloud Notebook Project

SPICED-Academy | Berlin, Germany | Summer 2017

- Built prototype for an application that allows high school teachers to manage student lab work with React and Redux.
- Designed database schema for PostgreSQL and API for Express / Node.js server
- Styled entire application using the Materialize library.

Developer, DogBook Social Network

SPICED-Academy | Berlin, Germany | Summer 2017

- Built a social networking site, with unit tests, that allows users to find and make friends and chat with other online users.
- Technology: React, Redux, Express on Node.js, Socket.io, PostgreSQL, AWS S3, Mocha, Chai

Developer, Eat Local Pledge Website

SPICED-Academy | Berlin, Germany | Summer 2017

- Built multi-page, responsive, mobile friendly website for collecting signatures. Users gain access to additional information once they have signed.
- Technology used: HTML5 Canvas for signatures, Javascript, Handlebars templating, Express/Node for the API, PostqreSQL for storing user profiles and Amazon S3 for storing images. Redis for caching and storing session information. Includes protection against XSS, CSRF, and SQL injection attacks.

Front End Developer

PiaSoftware.net | Arlington VA, USA | Spring 2017

- Designed and implemented the look and feel of a Ruby on Rails application using Bootstrap and SCSS for a small start-up.
- Added functionality via Javascript and jQuery to allow users to sort data.

Hybrid Science Course Developer and Teacher

Arlington & Falls Church City Public Schools | Arlington VA | 2003 –2017

- Created and maintained hybrid chemistry course for high school students through a self-hosted and customized WordPress blog.
- Taught all levels of chemistry including AP and IB.
- Designed engaging materials to communicate scientific principles to a wide variety of students.
- Mentored new science teachers.
- Developed and implemented training on the flipped classroom, differentiated instruction, backwards design, safety, integration of technology and International Baccalaureate.

Quality Assurance Testing Volunteer PhEt Simulations | Spring 2017

- Completed performance and regression tests for online math and science simulations.

SKILLS

Technical Skills
HTML
CSS & SCSS
Bootstrap
Javascript & jQuery
React & Redux
Git & GitHub
Node.js
Express.js
Templating
PostgreSQL
Redis
AWS
Mocha & Chai
Adobe Creative Suite

Design Skills
Wireframing
Logo design

EDUCATION & LICENSURE

Harvey Mudd College
BS, Chemistry

George Mason University
M.S., Chemistry
M.Ed, Secondary Education

VA State Teaching License
in Chemistry and Physics

SPICED Academy
Software Development Intensive

Online Courses
EdX:
- Introduction to User Experience

Skillcrush:
- Front End Blueprint
- Visual Designer Blueprint