**Adam Lin**

**Software Engineer**

[adamlin.2009@gmail.com](mailto:adamlin.2009@gmail.com) ・(408) 324-4042 ・ [linkedin.com/in/adam-lin-2020/](https://www.linkedin.com/in/adam-lin-2020/) ・[github.com/ablin2012](https://github.com/ablin2012) ・Portfolio・Bay Area

**SKILLS:** : React, Redux, Javascript, Ruby on Rails, PostgreSQL, HTML, CSS, Python, MongoDB, AWS S3, Express, Node.js, jQuery, RSpec

**PROJECT SOLUTION EXPERIENCE:**

**Welp | (React, Ruby on Rails, PostgreSQL, Google Maps API, AWS S3)** [**Live**](https://welpadam.herokuapp.com/#/) **|** [**Github**](https://github.com/ablin2012/welp)

Created a full stack clone of Yelp.com with a Ruby on Rails backend and a React/Redux frontend, with various functionalities including search and filters and user ability to create, read, update, and delete reviews

* Utilized SQL to create a weighted search algorithm to query for businesses based on name, location, price, and category resulting in a functional search bar and filter buttons for easier access of information by user
* Implemented Google Maps Javascript API to create a responsive map display with pinned locations of queried businesses
* Developed custom Rails routes, SQL queries and Jbuilder rendering of JSON responses that reduced server load time and simplified updates to the front-end Redux global store

**ImDown | (MongoDB, ExpressJS, React, NodeJS) Live |** [**Github**](https://github.com/ablin2012/im-down)

Successfully managed a project team of 3 to design and implement a challenge sharing social media website utilizing MERN stack, resulting in a functional application planned and constructed within a single week timeline

* Created a database using MongoDB with integrated AWS S3, enabling users to upload personal images for posts and profile
* Designed custom routes using Express and Node.js to deliver collections of data between the browser and database, resulting in a more dynamic website with reduced page load times
* Implemented an effective git workflow and conducted code reviews through GitHub to allow for collaboration on application features and ensure reduced merge errors

**My Little Buddy | (Vanilla JavaScript)** [**Live**](https://ablin2012.github.io/my-little-buddy/) **|** [**Github**](https://github.com/ablin2012/my-little-buddy)

Utilized knowledge of vanilla JavaScript to design and implement a pet care simulation game

* Applied THREE.JS and canvas combined with event listeners resulting in multiple 3D modeled pets with heads that seamlessly follow a user’s cursor

**WORK EXPERIENCE:**

**FLUX POWER**, Product Engineer, Vista, CA **June 2019 – February 2022**

* Promoted from Engineering Intern and managed over 50% of purchasable battery product lines and designed and created documentation changes for products
* Conducted thermal testing and analysis of battery pack, improving equilibrium temperature performance by 25% over 2+ months through implementation of passive and active cooling
* Ensured the creation and implementation of engineering documents: Work Instructions, Bills of Materials, DVP&R testing, wiring schematics, and CAD drawings for official release of battery pack product lines
* Coached executive clients to troubleshoot and fix battery products in the field

**EDUCATION:**

**University of California, San Diego - Bachelor of Science, Mechanical Engineering Graduated June 2020**

**MECHANICAL ENGINEERING PROJECTS**

* **UCSD Health Research Center:** Worked on project team along with a sponsor from the UCSD Health Research Center to create an Endoscopic Tissue Stapler medical device for ear, nose and throat (ENT) applications
* **Intro to Autonomous Vehicles:** Collaborated with software and electrical engineers on cross-functional project team to integrate hardware and software to enable emergency vehicle recognition for autonomous vehicle application

**App Academy - Full Stack Software Development Program Graduated August 2022**

**PROFESSIONAL MEMBERSHIPS:**

* Officer of Theta Tau Professional Engineering Organization **August 2017 - June 2020**
* Boy Scouts of America (BSA) - Achieved Eagle Scout rank **November 2015**