

Carmen Wen

<https://www.linkedin.com/in/carmenwen/>

| <https://github.com/thebubbleblower/>

TECHNICAL

Proficient: Javascript, Node.js, Express, React, Redux, SQL, Sequelize, PostgreSQL, Phaser, Socket.IO, HTML, CSS

Knowledgeable: C, Arduino, Mocha, Jasmine, Chai, Enzyme, Webpack, Three.js, Git, OAuth, Heroku

PROJECTS

Dot-Eater, Fullstack Developer

| <http://dot-eater.herokuapp.com/> | [Github](#) |

— *Phaser, Socket.IO, Webpack, React, Firebase, Express* —

- Built a real-time, online multiplayer version of Pac-Man Battle Royale, a local PvP battle arcade game, using **Socket.IO**
- Collaborated with team daily to debug issues, conduct research to navigate roadblocks, reduce code size, and manage tasks
- Iterated on design of **React** based UI, modifying styling and adding multiple features for an easy, accessible user experience
- Designed and developed game state synchronization mechanisms, using a master/slave model of communication to account for latency between clients with regards to the TCP connection
- Created ghost AI, incorporating methods such as A* search algorithm for increased efficiency in pathfinding
- Implemented gameplay functionality including movement, collision interactions, and state change

Twilight Gems, Fullstack Developer

| <https://mohicans-shop.herokuapp.com/> | [Github](#) |

— *Express, React, Redux, Sequelize, PostgreSQL, OAuth* —

- Architected a database schema with **PostgreSQL** and created a SPA using **React** and **Redux** for a mock e-commerce website
- Implemented shopping cart, cart storage, and a seamless checkout experience on both the front-end and back-end for guests
- Developed models, seed data, RESTful back-end API routes in **Express** and optimized requests issued by Redux store

Weather Pet, Creator

| [Weather Pet](#) |

— *p5.js, Openweather API* —

- Designed an app that utilizes Openweather API to display various weather designs and related physics -- illustrated in p5.js

EXPERIENCE

Customer Service Analyst, BioIQ, Santa Barbara CA

| Oct 2016 - Jun 2019 |

- Facilitated in researching technical issues and problems with internally developed software tools and company website, collaborating with support engineers allowed for effective communication and accelerated ticket resolution time
- Provided support for employees and administrators of enterprise clients (Boeing, AMD, Dole, etc.), with consistent average ticket resolution under 24 hours, satisfaction ratings of 90-95%, and highest volume of tickets resolved within department
- Operated with Protected Health Information and fielded requests regarding detailed scrutiny of HIPAA and company terms

Senior Clerk, Bay Area Rapid Transit, Oakland CA

| Feb 2015 - Nov 2015 |

- Represented the Bay Area's predominant subway system (BART) in outreach to regional companies to promote system
- Organized monthly internal and community events, including a public Chinese New Year event with 300-500 attendees

EDUCATION

Fullstack Academy, Grace Hopper Program, New York, NY

| <https://www.fullstackacademy.com/curriculum> | 2020 |

Immersive software engineering curriculum in the NERD stack with emphasis on agile development and pair programming

University of California, Santa Barbara, Santa Barbara, CA

| 2014 |

Bachelor of Science: Biopsychology | Minor: Art and Technology

INTERESTS

Interactive Art, Game Development, Microcontrollers, Rock Climbing, Circus, Film, Cats, Mario Kart