
LinkedIn: [linkedin.com/in/russell-j-ward](https://www.linkedin.com/in/russell-j-ward)

GitHub: github.com/ausrussell

Portfolio: awordinyourear.net

>LANGUAGES AND TECHNOLOGIES

- **Proficient:** JavaScript ES6, React, Redux, Vue, Three, HTML5, CSS3,
 - **Experience with:** Node.js, TypeScript, Firebase, PHP, MySQL
-

>RELEVANT UX EXPERIENCE

Hangar.social | Full-stack Developer | [Live URL](#)

Current

I built Hangar with React/Three.js and Node.js/Firebase for artists and educators to create a world of 3D galleries

- Created sophisticated 3D animations, custom shaders and a design system built with LESS
- Coded file uploader with server-size image compression to different sizes for optimal page load speeds
- Uses Redux for state management synced with Firebase Realtime Database
- Adopted by San Francisco State University professors and over 100 students to replicate poster presentations when Covid forced classes online. It proved so effective it's still in use after return to in person courses

Freelance Front End Developer/Developer | Oakland, CA

MAR 2019 - Present

- Coded VUE components, HTML, CSS with Postman for API testing so homeowners and contractors could make decisions and access project management documents, images in 10 types of file as a source of truth
- Created web crawler to scrape PDFs and images on a webpage with an easy UI for storage in AWS
- Built barcode/QR scanner in a Progressive Web App in Javascript for product information and comparing prices using 3rd party APIs that proved the most popular feature among Beta users
- Imported and cleaned data from Fusion tables to MySQL database, with dynamically created KML files and the UI for an interactive map which boosted site traffic by over 50%
- Consulted with founder of CASA, an app to generate Renters' Passports, developed designs and UI with rapid prototyping ([example](#)) and helped shape the initial architecture with a team of 10 engineers

School Loop | UX Engineer | San Francisco

JULY 2013 - MAR 2019

Led front-end development of education portal used by over 400,000 users in 350 districts around the US

- Oversaw junior developers and worked with UX designers (inDesign) and backend engineers (Java/ Postgres) to handle a mass of complicated trend, grade data and communications securely
- Coded a custom WYSIWYG drag and drop Content Management System in Javascript and CSS for staff to create great school websites which is still used by 1000s of schools today
- Trained in WCAG2.1 & ADA compliance at WebAIM, to ensure online accessibility for users with disabilities, and created a CMS that satisfied websites and portals for over 3,000 schools to an AA rating

Zen Den Webdesign | Lead Developer | San Francisco

JAN 2013 - MAR 2019

Saw projects through from client pitches, developing specs, managing build, user testing and deployment

- Customized a Php solution to integrate 3 websites and synced MySQL databases with their CRM software for users to book MAC hardware training reducing administration time by over 50%
 - Developed a new ecommerce site featuring a design your own handbag application in ActionScript
 - Built ecommerce portal for Putnam Toyota to sell extended warranties with Geolocation for adjusting price
-

>Other Relevant Experience

A Word In Your Ear Ltd. | Scotland

Founded and ran a company developing websites for small to medium-sized businesses and built and maintained GrampianLife.co.uk, a social networking and advertising site in Scotland attracting 1,000s of users daily

Grey International | London

Worked as a creative in the online department for global campaigns, including writing content for the Mars/M&M's Global Colour Vote, attracting 700,000+ visitors across Europe to vote for their favorite new color

>EDUCATION

Bachelor of Arts (1st Class Honors), *The University of Sydney*

PhD in English Literature (European Hellenism) - ABD, *The University of Sydney*