

# Wyatt Rudnicki

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**SKILLS** Ruby, Rails, JavaScript, AngularJS, React, CSS3, Node, Python, TypeScript, AWS, HTML5, Gen AI  
**WORK EXPERIENCE**

## Oracle

San Francisco, CA

Full Stack Developer (RoR, AngularJS, Node, PostgreSQL, React, TypeScript, Mocha)

Jun 2019 - Jan 2024

- Created a Node/Express planning application which utilizes Chart.js and a machine learning API to make prediction visualizations of common milestones hit during the study startup phase of clinical trials
- Improved our main database application by using Webpack to reduce development build times from 60 to 20 seconds and reduce bundle sizes from 6MB to 2MB, and by leading expansion of unit test coverage
- Migrated SSO users to Oracle's Identity Cloud Service (IDCS), enhancing security and performance for accessing study startup workflows
- Expanded functionality of our data export tool while modernizing from AngularJS to Oracle JET with React Hooks

## N3N

Foster City, CA

Full Stack Developer (React, Node, SCSS, MongoDB)

Aug 2018 - Dec 2018

- Integrated IoT (Internet of Things) sensor alert app into N3N's main product using React, enabling real-time monitoring of sensors and actionable insights with 3rd party software
- Connected alerts to an incident tracking mobile app using event driven notifications, empowering clients to capture and send incident updates to an N3N alert system via personal mobile devices
- Built camera video wall app for N3N's new floor plan system, which created new SOP business opportunities with N3N's clients

## Whitney Lab for Perception and Action

Berkeley, CA

Research Assistant (Vanilla JavaScript, jQuery, CSS, HTML)

Oct 2016 - Apr 2017

- Developed templates for online visual experiments using JavaScript, which provided 15+ new experiments to run, led to over 100% growth in sample sizes for current experiments, and increased quality in experiments and data
- Enhanced UX of online experiments through smooth JavaScript setTimeout transitions

## EDUCATION

University of California at Berkeley, 2016

B.A. (Bachelor of Arts) - Cognitive Science, Computer Science minor

App Academy - Coding intensive

Dec 2017 - Mar 2018

## PROJECTS

**Brain Hacker** (Ruby on Rails, React, PostgreSQL) | Full Stack Developer

[live](#) | [github](#)

An EdTech online platform for creating and studying flashcards

- Implemented user authentication using Ruby on Rails with BCrypt to secure user passwords and profiles
- Built multiple full React-redux cycles for managing flashcards using React Router and authorized/protected Routes to direct users to the appropriate location on interaction
- Used custom Active Record queries and routes to efficiently build out both a search feature for decks and a live updating study progress bar

**Meios** (JavaScript) | Front End Developer

[live](#) | [github](#)

A game based off Agar.io where you can eat food, grow, divide, and conquer (eat) other competing cells

- Rendered cells with unique behaviors using HTML5 Canvas, JavaScript asynchronous functions, and OOP
- Implemented algorithms for circle collision detection and boundary detection, giving smooth speed transitions while keeping elements on the canvas
- Designed and implemented adaptive enemy AI units that increased gameplay engagement by dynamically reacting to user strategy