

# ADAM RICHARD

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## WEB DEVELOPER

CSS ◇ Git ◇ HTML ◇ JavaScript ◇ jQuery ◇ Rails ◇ React ◇ Redux ◇ Ruby ◇ SQL

## PROJECTS

### Slack Jr. | JavaScript, PostgreSQL, Pusher, Rails, React, Redux

*Single-page Slack clone featuring live chat, channel search/creation, and direct messages (DMs)*

- User interface features quick re-rendering implemented via React.js library
- Channels and DMs search/creation forms rendered in modal windows via React Modal
- Updates current users, channels, and messages in real time using the Pusher API
- Validates and prevents creation of invalid channel names from the front end
- Custom Rails routes and React Router used to recreate Slack's browser bar routes
- Styled to closely resemble Slack's single page layout

### Swervo | Easel.js, CSS, HTML, JavaScript

*Browser-based single-player 3D game inspired by Pong and CurveBall*

- Allows player to curve the game ball upon striking it using paddle motion
- AI opponent positioned opposite the player tracks ball position as it travels
- Curve mechanics and 3D rendering all coded from scratch
- AI difficulty and game speed increase as player progresses through levels

### aDOM | JavaScript

*Lightweight DOM manipulation library based on jQuery*

- Creates event listeners, traverses and manipulates the DOM, and makes AJAX requests
- Used to implement a live demo of JavaScript Snake

## EXPERIENCE

### Norfolk Naval Shipyard | Portsmouth, VA - Nuclear Shift Test Engineer

February 2011 - November 2016

- Served as technical supervisor of A4W plant operations and nuclear propulsion-plant testing aboard Nimitz-class US Navy aircraft carriers
- Responsible for the progress and safety of the test program during assigned shift
- Conducted testing and data analysis to ensure satisfactory completion of repairs
- Coordinated with senior shipyard and naval personnel on a daily basis to develop and brief plans for plant operations, testing and casualty recovery

## EDUCATION

### App Academy | New York, NY

March 2017 | 1000-hour full-stack web development bootcamp with <3% acceptance rate

### The University of Michigan | Ann Arbor, MI - B.S. in Electrical Engineering

April 2009 | Digital signal processing focus with coursework data structures, MATLAB, and C++