

JOEL COWIE

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TECHNICAL EXPERIENCE

America Online || Platform to discover America's National Parks and plan trips

- + Implemented dynamic park list, details, and 'Add to Trip' functions using React/Redux.
- + Built custom API, user creation, and current trip persistence utilizing Ruby on Rails.
- + Used JWT to create secure login and authentication between React and Rails.

Donkey Pong || Modern twist on two classic arcade games

- + Utilized JavaScript, HTML5 and Canvas to create animation and movement.
- + Mapped keyboard input to paddle control to produce event-driven gameplay.
- + Incorporated AI logic to build opposing paddle that automatically follows ball position.

HuManatee || Social platform to create, find, and attend local volunteer events

- + Incorporated user profiles, comments, and reviews using Ruby on Rails and PostgreSQL.
- + Integrated user login and secure passwords with BCrypt.
- + Designed and built user search bar implementing fuzzy search with custom SQL query.

TECHNICAL SKILLS

JavaScript, React, Redux, jQuery, Ruby, Ruby on Rails, Sinatra, SQL, Git, HTML, CSS

EDUCATION

Flatiron School - New York, NY - 2017
Full-Stack Web Development Program

University of Central Florida, Orlando, FL - 2015
Bachelor of Science in Economics

PROFESSIONAL EXPERIENCE

Flatiron School - New York, NY

March 2017 - Present

Teaching Assistant

- + Support online web development students by helping to debug their code in Ruby and JavaScript.
- + Reinforce programming concepts and code comprehension through one-on-one screen shares.
- + Identify errors in lab tests, instructions, or documentation and escalate issues/submit pull requests.

Lockheed Martin - Orlando, FL

IT Liaison/Logistics Management Analyst

May 2015 - July 2016

- + Acted as IT point of contact between logistics and software development teams to open bug/feature tickets, plan future releases, and beta test new software.
- + Created forecasting models in Excel for production planning by analyzing hardware demand data.
- + Coordinated repair operations of all Longbow Fire Control Radar (FCR) hardware for 9 countries and U.S. Government with multi-million dollar repair contracts.
- + Interfaced directly with international clients on repair concerns both in person and via teleconferences.

Integrated Logistics Support Intern, F-35/Apache Fire Control

April 2012 - May 2015

- + Analyzed hardware repair data using Microsoft Excel to create trend analyses, identify anomalies and produce creative solutions for Product Support.
- + Assessed damaged F-35 hardware and prepared necessary data for engineering disposition.
- + Coordinated shipments of F-35 hardware and wrote program instructions for shipment process flows.