# 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**
Online 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.
+ Managed temporary storage and tracked delivery of customers' spare inventory totaling over $20 million

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.