

Eitan Bar-David

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EDUCATION

Grove School of Engineering at City College, New York, NY

September 2015 – May 2019

- Major: Mechanical Engineering, B.S.M.E. (GPA: 3.89)
- Programming coursework: Intro to Comp Sci., Computer Methods in Eng., Advanced Mechatronics, Systems Modeling Analysis and Control, Arduino Teacher's Assistant.
- Awards: Zemansky Introductory Physics Prize, Robert and Ruth Gitlin Scholarship, Georgia Aziza Scholarship.

Launch School (Software Engineering Bootcamp)

December 2018 – July 2019

- Completed coursework and projects in Programming Foundations, Object Oriented Programming, Networking Foundations and Applications, and Database Foundations and Applications.
- Averaged 98/100 on essay-oriented written exams and live 1on1 coding exams.

SOFTWARE PROJECTS

Keeper

keeperfish.herokuapp.com

- Created a social media platform for fisherman to post fishing reports, keep track of the fish they caught, and rank the largest fish caught by users.
- Exposed an API to get fish catch data specified in query string and rendered the JSON response with JBuilder.
- Used jQuery and AJAX to update the top fish catch table, show form errors, and display new content upon successful form submission.
- Implemented secure user sign up and log in and tracked users with sessions and cookies.
- Utilized: Ruby, Rails, Active Record, jQuery, AJAX, Bootstrap, AWS.

Summer Camp Calendar Management System

camp-schedule-management.herokuapp.com

- Created a web app for managing a summer camp's bunks, activities, and daily schedules.
- Developed algorithm to generate a daily schedule for each bunk based on a complex set of requirements.
- Persisted data with a DAO and PostgreSQL through the pg gem.
- Modularized the Sinatra application to implement MVC architecture.
- Utilized: Ruby, Sinatra, PostgreSQL, HTML/CSS.

Personal Website

eitan-bar-david.herokuapp.com

- Built a personal website to highlight software projects with video demos and to host my blog.
- Wrote, edited, and uploaded blog posts directly through the site by storing and retrieving the post's markdown body and title image from an AWS S3 bucket.
- Utilized: Ruby, Rails, Bootstrap, AWS, Active Record.

Employment

Engineering Intern

June 2018 – August 2018

Easy Aerial – Edison, NJ

- Expanded the fleet of Easy Guard Boxes for charging and deploying autonomous security drones from 2 to 7, while improving the layout of the wiring and electronics.
- Increased the durability of the drones by designing and manufacturing custom parts to prevent drones from falling through gaps in the Easy Guard Boxes after landing.
- Ensured systems were shipped on schedule by methodically testing and debugging mechanical and electrical issues.

PROGRAMMING SKILLS

Backend: Ruby, Rails, Sinatra, Python, SQL | *Frontend:* JavaScript, Bootstrap, HTML/CSS | *General:* Git, AWS S3, Arduino