

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 Teachers Assis
- 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

Personal Website

eitan-bar-david.herokuapp.com

- Designed 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 post contents and images from an AWS S3 bucket using the aws-sdk-s3 gem.
- Utilized: Ruby, Rails, Bootstrap, AWS, ActiveRecord, Git.

Summer Camp Calendar Management System

camp-schedule-management.herokuapp.com

- Created a web app for managing a summer camps daily and monthly schedules.
- Developed algorithm to generate a daily schedule for each bunk based on a complex set of requirements.
- Persisted data with a DAO and custom PostgreSQL queries.
- Modularized the Sinatra application to implement MVC architecture.
- Utilized: Ruby, Sinatra, PostgreSQL, HTML/CSS, Heroku, MiniTest.

Todo App

rails-todo-ebd.herokuapp.com

- Created two versions of a todo list tracking application, one with Sinatra and one with Rails.
- Wrote unit tests
- Utilized: Ruby, Rails, ActiveRecord, MiniTest, Git,

WORK EXPERIENCE

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