# Roberto Herman

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## EDUCATION

San Francisco State University                                                                San Francisco, CA
BS Computer Science  GPA: 3.94                                                         Expected – May 2021

## EXPERIENCE

**Produce Locator (Startup)**                                                      New York, NY (Remote)
Fullstack Developer                                                                              Jul 2020 – Present

- Built an entire web app from scratch using MERN stack.
- Collaborated with the CEO and designers to create the best user experience possible for our customers.
- Created and designed feature using Google Maps API where produce vendors can mark their location in any of the 5 boroughs of NY—enabling small businesses to have a digital footprint and increasing the number of customers they get, while reducing the amount of food waste in the city.

**United States Air Force**                                                                       Panama City, FL
Avionics Systems Specialist                                                                Aug 2009 – Dec 2015

- Managed up to 5 avionics maintenance teams daily, coordinating aircraft repairs, resulting in thousands of sorties flown as scheduled throughout the year for pilot training and combat missions within U.S. and deployed locations.
- Trained dozens of new airmen/airwomen on safe maintenance practices, keeping personnel injuries to a minimum, saving lives, limbs, and millions of dollars in damage to aircraft and other equipment.
- Troubleshot, inspected, removed, installed, repaired, modified, and operated aircraft avionics and electrical (A&E) systems, components, and associated support equipment.

## PROJECTS

**Photify** (JavaScript, Node.js, SQLite, Express, HTML, CSS)          https://photify-webapp.herokuapp.com/
Developed a photo sharing web app where the user creates an account, logs in, and is able to upload pictures and comment on other user's photos. Account information, image data, and comments are stored in an SQL database. Collaborated with a partner for this project (3 months)

**A/B Testing Serverless Web App** (JavaScript, Cloudflare)          https://cloudflare-intern-app-fs.rherman.workers.dev/
The web app routes the client to one of two very similar web pages, Ying, or Yang. Depending on which page the client lands on, they're assigned a group in the backend, and will be directed to that same page for the rest of the month. Data can then be collected about which site design works best for the customer.

**Alien Invasion** (Python, pygame)                                                          youtu.be/8O2TZ5ukDS0
Created an Alien Invasion game similar to Galaga (1981). The player controls a spaceship, shooting alien ships that come from the top and move down towards your ship, speeding up every level. Lives, current score, high score, and level are displayed.

**Generating and Visualizing Data** (Python)                                             bit.ly/GHproj1
Assembled a set of programs that visualize data obtained from various sources and in different formats. Used matplotlib to visualize data in a window, and pygal to generate SVG files for interactivity. Data was extracted from CSV files as well as JSON responses from the GitHub API.

## SKILLS

Languages & Frameworks/Libraries:        Java (Spark), C++, JavaScript (Node, React), HTML, CSS, Python
Databases:                                            MySQL, SQLite, PostgreSQL, MongoDB

## INTERESTS & ACTIVITIES

**Developer Student Club (DSC)**                                                        August 2019 – Present
Collaborated in workshops where we learned to use Google services such as the Google Cloud Platform (GCP).