

# Roberto Herman

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## EDUCATION

San Francisco State University  
BS Computer Science GPA: 3.94

San Francisco, CA  
Expected – May 2021

## EXPERIENCE

**Produce Locator (Startup)**  
Fullstack Developer / Tech Lead

New York, NY (Remote)  
Jul 2020 – Present

- Built web app from scratch, including features such as registration, authorization, shopping cart, payment processing, user dashboard, vendor inventory, item search, vendor search, and geolocation services.
- Designed database entity relationships, collection schemas, and backend API.
- Collaborated with CEO and designers, creating best UI/UX possible for customers.
- Reviewed resumes, performed interviews, hired my own team of developers, managed milestones, and performed code reviews via GitHub.

**SFSU Computer Science Department**  
Computer Programming Teacher Assistant

San Francisco, CA (Remote)  
Aug 2020 – Present

- Aided students with questions about fundamental concepts of algorithmic thinking as well as basic practices of programming in Python
- Led online lab sessions to help students gain practical coding experience and solidify theoretical knowledge

**United States Air Force**  
Avionics Systems Specialist

Panama City, FL  
Aug 2009 – Dec 2015

- Managed avionics maintenance teams; coordinated 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.

## 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)

**UNO** (JS, Node, Express, PostgreSQL, Pug, Socket.io)

<https://stormy-harbor-64543.herokuapp.com/>

Worked in a team of four to develop and host an UNO game web app with real-time state updates, using the DB as the single source of truth and an observer design pattern to keep track of changes. Features implemented: lobby chat, game queue, login/registration, sessions, scoreboard.

**Web Server** (Java)

HTTP web server configured with directives in a plain-text config file. Able to log requests, authenticate users through headers and access files, execute CGI scripts, and multithreaded to process requests simultaneously. It handles GET, POST, PUT, DELETE, and HEAD methods, and responds with eight different status codes.

## SKILLS

Languages & Frameworks/Libraries:  
Databases:

Java, JavaScript (Node, React, Express), HTML, CSS, Python  
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).