# Jake Herman

## Full Stack Software Engineer

(615) 428-6053 | JakeHerman.me | Hermanj13@me.com | GitHub.com/hermanj13 | linkedin.com/in/jake-herman

---

## Skills

| | | | | | |
|---|---|---|---|---|---|
| JavaScript | Node.js | Express.js | MongoDB | AngularJS | React |
| Python | Django | Flask | MySQL | SQLite | SQL |
| Ruby | Rails | TDD | PostgreSQL | OOP | MVC |
| XML | HTML5 | CSS3 | Git/Github | Bash | Alexa Skills |
| RESTful API's | JQuery | AJAX | Materialize | Bootstrap | AWS |

## Experience

### George Washington University, Washington, D.C. – Coding Boot Camp Instructional Team
July 2017 to Present

- Provide technical coaching for multiple technology stacks including: Web fundamentals and MERN (MongoDB, Express, React, & Node.js) stack
- Responsible for constructing office hour lesson plans, leading class review sessions, and conducting one-on-one review sessions with students
- Daily deployment to GitHub to keep repository up to date, and grade student assignments and homework
- Lead class instruction on development concepts through demonstrations and lectures
- Daily work with algorithms to prepare students for difficult coding challenges and to provide a more thorough understanding of coding challenges that software developers experience
- Continuously improving curriculum through the addition of code review sessions and algorithms, and implementing new learning techniques to better prepare students for successful careers after course completion
- Update and improve companywide lesson plan repositories to fix bugs and make activities and lessons more concise and easier to understand

### George Washington University, Washington, D.C. – Data Boot Camp Substitute Lead Instructor
September 2017 to Present

- Lead class instruction on fundamental topics including Excel, Python, SQL, and Machine Learning
- Provide technical development to integrate data collection through API calls and scrapping and Interactive visualization using D3 and Leaflet
- Provide tasks and daily direction to Teacher's Assistants to ensure the optimal learning environment for students

### Hope One Source, Washington, D.C. – Project Lead Developer (Volunteer)
September 2017 to November 2017

Hope One Source is a mobile communication platform for those who are currently experiencing homelessness or at risk of being homeless. Through text message alerts and messages using Trello, they are able to get information about topics they choose, as well as emergency messages from the District of Columbia.

- Developed a platform using PHP and Drupal which allows the verification of users to check their current living status and make sure that phone number is still active
- Created a process that updates the database with the most up to date information on users from the verification text messages that are sent
- Implemented a workflow to launch the verification process once a quarter and display on the admin portal clear markers for users that have yet to respond, have responded but data needs to be updated manually, or responses that have successfully been updated in the database

### Wegmans, Fairfax, VA – Front End Customer Service
May 2015 to March 2017

## Projects

### Platos
A web application connecting people with similar schedules and hobbies, making it easier to maintain social engagements and commitments. Using optimized SQL queries this application is able to rapidly compile matches based on location with the Google Maps API and inputted schedules. Built in Python using Django with MaterializeCSS as frontend CSS framework. Used Pillow and Amazon S3 to upload and crop user profile images.

### Adoptagram
A central place for animal shelters to post and keep up to date information about animals at their shelters. With an easy to use user and admin portal, shelters have the ability to post images and descriptions of animals, while potential animal adopters have a central location to submit applications for adoption and fosters to multiple agencies. Built using Ruby on Rails with a PostgreSQL database.

**WrdsmthScrapper2.0**

Node.js application that allows for the ability to scrape a constantly updating artist website. Once a new product has been added to the store, both an email and a text are sent to notify a recipient of the new addition. Includes the functionality to access Twitter through the Twitter API to be notified of Marriott Rewards Points opportunities. Built using node, express, firebase, nodemailer, and osmosis.

**FindMeBreakfast**

An Alexa Skills App that allows a user to find the closest open or 24-hour diner to their current location. Using the Yelp 2.0 API it allows for a search of their area, with a user provided zip code, to locate and hear the nearest diners. Once a user selects which one they would like to visit a widget of the location and link appears in their Alexa app.

**partnerPicker**

A web application to simplify and expedite the process of creating partners for in-class activities. Includes checks for attendance and whether or not a student has been paired before. This allows students to have the opportunity to work with everyone and experience collaboration in as many ways as possible.

## Education

**Coding Dojo,** Washington, D.C. – Full Stack Web Development

Graduated: May 2017

An immersive full stack development program. Over 1000 hours of coding experience and a working proficiency in JavaScript, HTML, and CSS as well as a wide range of frameworks and libraries. Graduated with a Triple Black Belt (highest earning of achievement) in Python, Ruby on Rails, and the MEAN (MongoDB, Express, Angular.js, Node.js) stacks.

- Ability to develop a web app from scratch, backend to frontend and deployment
- Expertise in RESTful routes, CRUD operations, and API integrations
- Knowledgeable in SQL and NoSQL databases and ERD Diagrams to establish connection between multiple datasets