

# Logan Crocker

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**Email**  
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**Location**  
Murrieta, CA

**Github**  
[github.com/logancrocker](https://github.com/logancrocker)

**Portfolio**  
[logancrocker.github.io](https://logancrocker.github.io)

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## EDUCATION

University of California, Riverside | Riverside, CA

December 2018

B.S. Computer Science

## SKILLS

Languages + Frameworks: JavaScript, React, Node, Python, SQL, C/C++, Java

Software: Git, Unix/Bash, Heroku, Android Studio, Firebase

## WORK EXPERIENCE

UC Riverside

December 2018 – Present

*Data Scientist/Researcher*

- Analyzed multiple years of homelessness survey data as part of Riverside county's **Point-in-Time count**
- Learned how to work with **GIS** data, how to **clean and prepare large datasets**, and strategies for effective **data analysis** and **visualization** with **Python**; utilized **Matplotlib**, **Numpy**, and **Pandas/Geopandas**

Vision 13 Emerging Technologies

January 2019 – March 2019

*Unmanned Vehicle Software Engineering Intern*

- Created design plans, assembled hardware, and wrote software for an automated, remotely controlled rover system
- Learned how to design, build, and document **embedded systems** projects, how to use **Particle** to build projects for the **Internet of Things**, how to work with **Raspberry Pi** and **Arduino**, and how to **lead a team while working remotely**

## PROJECTS

Soul Food Music Collective (Co-Founder) – Email Registration Web App | ([www.soulfoodmusiccollective.com](http://www.soulfoodmusiccollective.com))

- Full stack** web application for inserting user info into a database to be used for an email list; currently deployed on **Heroku**
- Learned front-end development with **React** and **Material UI**, how to write API's with **Express.js**, and **SQL**

K-Nearest-Neighbor – Feature Selection Search Optimization | (<https://github.com/logancrocker/feature-selection-search>)

- Python** program implementing a search tree to optimize a **KNN** classification algorithm
- Learned how to traverse a **search tree**, how to optimize a search algorithm, and how to analyze the efficacy of a **machine learning** algorithm

R'Gram – An Instagram clone | (<https://github.com/logancrocker/rgram>)

- Android implementation of an Instagram-like application with many of the basic functionalities of the original app
- Learned **Android UI Design**, how to design an **application architecture** for applications with many functionalities, how to be a **Scrum Master**, and how to develop software with an **Agile** methodology

## RELEVANT COURSEWORK

**CS141:** Data Structures and Algorithms

**CS180:** Software Engineering

**CS171:** Machine Learning and Data Mining

**ENGR180W:** Technical Communication

## REFERENCES

Joshua Coda (Riverside County DPSS): [joshua.coda@gmail.com](mailto:joshua.coda@gmail.com) | (951) 595-7159

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