

Logan Crocker

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EDUCATION

University of California, Riverside | Riverside, CA

December 2018

B.S. Computer Science

SKILLS

Languages: C/C++, Python, JavaScript, SQL, Java

Software: Git, Linux (Ubuntu), Windows

WORK EXPERIENCE

UC Riverside

December 2018 – Present

Data Science and Analytics Researcher

- Perform data science and analysis on multiple years of homelessness survey data as part of Riverside county's **Point-in-Time count**.
- Learned how to work with **geodatabases**, clean and prepare **large datasets**, and strategies for effective data analysis and visualization with **Python**

Vision 13 Emerging Technologies

January 2019 – March 2019

Unmanned Vehicle Software Engineering Intern

- Create design plans, assemble hardware, and create software for a prototype rover system utilizing **AR/VR, IoT** technology, and various other hardware components for controlling an unmanned rover
- Learned how to plan, design, and build unmanned vehicle projects and how to work with **Raspberry Pi**

PROJECTS

Soul Food Music Collective Website (Co-Founder)

- **Full stack** web application for Soul Food Music Collective for registering fans for our email list and viewing upcoming events
- Learned front-end with **React**, writing API's with **Express.js**, and **MySQL**

K-Nearest-Neighbor Feature Selection Search

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

R'Gram

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

RELEVANT COURSEWORK

CS141: Data Structures and Algorithms, **CS180:** Software Engineering, **CS170:** Artificial Intelligence

CS171: Machine Learning and Data Mining, **ENGR180W:** Technical Communication

REFERENCES

Joshua Coda (Riverside County): joshua.coda@gmail.com

Paea Lependu (University of California, Riverside – Assistant Professor): plependu@cs.ucr.edu