

# Carlton Segbefia

carltonsegbefia@gmail.com | [carltonsegbefia.com](http://carltonsegbefia.com) | [github.com/CarltonS13](https://github.com/CarltonS13)

## Education

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### Grinnell College

BA in Computer Science and Sociology (GPA: 3.63)

Grinnell, IA

Expected May 2021

## Professional Experience

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### Summer Analyst

*BlackRock, Inc.*

Virtual (Atlanta, Georgia)

July 2020 – August 2020

- Improved reliability of a firmwide web component library by formulating comprehensive end-to-end tests and unit tests for existing stencil.js web components with the jest testing framework
- Updated 62 Jira tickets, implementing package updates and a consistent testing strategy, and fixing bugs

### Behavioral Data Science Intern

*mPulse Mobile*

Los Angeles, California

May 2019 – December 2019

- Created a tool to streamline and optimize data labeling tasks across multiple users with Django and Vue.
- Optimized an open-source python toolkit for building distributed applications to prevent data overwrites, then used it to launch a microservice to process streaming client data from an AWS Redshift data lake.
- Crafted a dashboard to display business analytics in real-time with the natural language toolkit and spaCy python packages to filter out confidential information.

### Maker Lab Monitor

*Grinnell College*

Grinnell, Iowa

August 2017 – July 2020

- Built a web app for monitoring projects, tracking permissions, and generating analytics reports.
- Created a REST API backend with Django and a Vue.js front end to interact with it.
- Produced an admin page with React to provide secure access to lab data for different permission levels.

## Select Projects

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### Sives: Recipe Search Engine

- Built a web app with Angular/PHP/MySQL that allows recipe filtering based on ingredients.
- Created ingredient abstraction clusters through language processing via Python/Pandas.

### Mayflower Dining System

- Transitioned the dining management system of a retirement home from physical to digital with a team.
- Created a data-oriented web app with Ruby on Rails for resource management

## Additional Experience

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*Grinnell Code Club Tutor:* Provided support to Grinnell School students learning to code

*iOS Developer:* Worked at Grinnell College AppDev Club to create a newsreader application

*Computer Science Grader:* Graded assignments of students enrolled in CSC-161: Imperative Problem Solving

## Skills

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*Languages:* English, Spanish, Japanese, Java (Advanced), JavaScript (Advanced), Python (Advanced), R (Advanced), Swift (Intermediate), C(Intermediate)

*Technologies:* HTML/CSS, Pandas, Git, Vue, React, Rails, Node, WordPress, Stencil.js, Jest, Sphinx

*Relevant Courses:* Team Software Design and Development, Artificial Intelligence, Intro to Data Science, Object-Oriented Problem Solving with Data Structures, Imperative Problem Solving,

*Other:* Cooking, Illustration, Video Editing, DJing