# Min Aaron Lee

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## SUMMARY

Data Analyst with a proven ability to focus on the details in collaborative environments. Confidently led a team of 5 consultants while heavily contributing to 4 data science projects over 6 months. My combined passion for learning and data science pushed me to attend an intensive 1,000+ hour data analytics bootcamp where I learned advanced data ETL, programming, visualization, and statistics while also sharpening existing skills. As a strategy consultant, I identified bottlenecks in a non-profit's outreach campaign and devised a campaign that piqued the interest of 17 C-level executives that 8.5 X'd the non-profit organization's corporate partnerships. I'm excited to apply my passion for data science towards the collaborative efforts of a team focused on insightful, high-quality data analytics and visualizations.

## SKILLS

- **Languages**: Python, JS, Excel, R, VBA
- **Frameworks**: Flask, D3.js
- **Libraries**: Pandas, NumPy, SciPy, Tensorflow, Keras, Scikit-Learn
- **Databases**: MongoDB, PostgreSQL
- **Data Visualization:** Tableau, Matplotlib, Plotly
- **CICD**: GIT, Heroku

## In an analyst role at your company I will…

- Code within company coding standards and styles.
- Work collaboratively to maximize quality of results
- Leverage experience in consulting to build client relationships
- Diligently prioritize multiple projects to ensure timely results.
- Be coachable and accepting of constructive criticism.
- Approach data handling with curiosity and keen eye for detail
- Be a proactive member in taking on responsibilities

## EDUCATION

**University of California Irvine - Data Analytics Boot Camp**                                   **Irvine, CA 2021**

Learned industry best practices and practical standards in Data Analysis and Visualization using Python, R, Excel, PostgreSQL, APIs, Web scraping, JavaScript, D3.js, HTML/CSS, Tableau, and Machine Learning. I created several projects with Python and JavaScript using real data sets while learning new programming languages and frameworks by collaborating with data scientists and fellow bootcamp learners.

**Carnegie Mellon University - B.S., Business Administration**                                   **Pittsburgh, PA 2020**

## PROJECTS

**Tech Stock Bubble Analysis**                                                                  **Irvine, CA 2020**

This project uses stock market KPIs in determining whether the tech sector of the stock market was in a bubble. In building this financial analysis, I displayed a working knowledge of Data ETL, Visualization, API frameworks, and Statistical methods in Python to develop visualizations and implement analyses.

- Cleaned historical data for over 600 companies (in NASDAQ and S&P 500) accessing JSON endpoints for each company using (Python) Pandas.
- Built visualizations using Matplotlib to storytell if there is a bubble in the tech sector by showing analysis of 11 sectors and 6 data points along with conducting a regression analysis using SciPy to determine the correlation between the NASDAQ's price-to-earnings ratio to revenue growth.

**Sex Offender Registry Dashboard**                                                             **Irvine, CA** 2020

Allows users to locate 1,323 registered DC sex offenders and navigate through 7 districts and 27 unique ZIP Codes for personalized information. In building this web-based application, I displayed a working knowledge of PostgreSQL, SQLAlchemy, Flask, D3.js, visualizations, HTML, CSS, Bootstrap and API frameworks.

- Utilized Python, Pandas and a Jupyter Notebook to transform 1,323 raw data records using the following transformation techniques:  cleaning, deduplication, format revision, key restructuring and integration and then warehoused the data in a PostgreSQL database using SQLAlchemy.
- Designed and implemented a feature to help users easily access the data by zip code using D3.js, Leaflet.js, Chart.js and the Mapbox API to allow users to get a more personalized view of the data.

## EXPERIENCE

**Black Political Empowerment Project - Strategy Consultant**                                   **Pittsburgh, PA** 2019

As part of a four person consulting team, increased corporate partnerships 8.5X for a non-profit organization.

- Identified bottlenecks in the outreach process by researching the needs of C-level executives and redesigned the email campaign (increasing positive replies by 58%) and reporting on success stories of diversity policies; grew interest in the initiative from 2 companies to 17 companies, including Pittsburgh's 3rd largest employer.