Brendan Bailey

Washington DC | brendan.e.bailey@gmail.com | 818-648-4367 | brendanbailey.github.io

I'm a progressive data scientist and avid Pythonista who works with technical and nontechnical stakeholders alike helping them with data management, data visualization/report building, modeling, web scraping, and more.

Skills

- **Programming:** Python (Pandas, Numpy, SciKitLearn, Beautfiul Soup), SQL, HTML/CSS, iMacros, Git
- **Software:** Excel, Access, MySQL, Oracle, PostGreSQL, AWS, Google Cloud, Tableau, Periscope

Experience

AFL-CIO

Membership Data Specialist | Mar 2014 to Mar 2017 | Washington, DC
Assistant Voter Database Administrator | Nov 2013 to Mar 2014 | Washington, DC
Nevada Data Coordinator | May 2012 to Nov 2013 | Las Vegas, NV

- Initially hired in Las Vegas Nevada to manage the state's voter and volunteer CRM, I was eventually promoted to national headquarters in Washington DC due to my prowess in data management and showing what Python can do for them.
- Managed a multimillion record Oracle database of client organizations' membership data. Worked with client IT directors to enable regular updates of membership data, and enforced data governance policies with vendors and database users regarding client data.
- Developed reproducible reports and data products for client political directors, other AFL-CIO departments, and vendors to enable better decision making and program operation.
- Developed and administered the AFL-CIO's AWS Redshift data warehouse. The data warehouse served as the backend to their Periscope Dashboards.
- Wrote scripts to help the AFL-CIO's team of CRM administrators to do jobs such user account creation, production of flat files for clients, and data uploads more efficiently.

Education and Professional Development

Data Science Immersive

General Assembly | March to May 2017 | Washington, DC

- Participated in a three-month course that teaches data analysis concepts and methods, and how to apply them to the real world for employers and clients.
- Competed on Kaggle using image recognition techniques to help diagnose cervical cancer.
- Gave a lightning talk and answered class questions on the HDBSCAN Clustering Algorithm.
- Wrote a script to allow students to sign into General Assembly's attendance system more efficiently.
- Web scraped the General Assembly Website to demonstrate which campus has the most events.
- Used regression analysis to predict Iowa's liquor sales.

BA in Economics and Political Science

UC San Diego | August 2006 to June 2010 | San Diego, CA