

Caleb Pitts

Personal Info

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Address

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Professional Portfolio

www.calebpitts.com

Linkedin

linkedin.com/in/calebpitts

Github

github.com/calebpitts

Technical Skills

Languages

Python	●●●●
C++	●●●●
HTML/CSS	●●●●
R	●●○
SQL	●○○

Data Analysis Tools

Pandas	●●●●
Jupyter Notebook	●●●●
NumPy	●●○

Development Tools

Sublime Text	●●●●
Git	●●○

Operating Systems

MacOS	●●●●
Linux	●●○
Windows	●○○

Upcoming Data Science graduate fixated on solving messy problems with data-driven solutions. Blends research experience with academic training in object-oriented programming and statistics.

Education

University of California, Irvine — *Data Science, B.S.*

Expected Graduation: June 2020

GPA: 3.2

Experience

- | | |
|--|--|
| 2018-09 - Present | Institute for Genomics and Bioinformatics — <i>Lab Assistant</i> <ul style="list-style-type: none">Developed a Python script that mines over 140k protein data files and extracts amino acid sequences into readable outputUsing known protein sequences from the Protein Data Bank to predict protein structuresAutomating updates to recorded protein sequences whenever the Protein Data Bank is updated |
| 2017-10 - 2017-12
2018-08 - Present | Working Memory and Plasticity Laboratory — <i>Lab Assistant</i> <ul style="list-style-type: none">Used Orange Software to analyze Kaggle datasets and report findings with research team via SlackCo-authored a paper on the implications of Machine Learning |

Projects

- | | |
|---------|---|
| 2018-07 | AB Test Analysis <ul style="list-style-type: none">Conducted an AB Test, using Jupyter Notebook, to determine which version of a website had the highest sales rateUsed a t-test and logistic regression to assign conclusions based on each model's significance |
| 2018-06 | PolarityBot <ul style="list-style-type: none">Used YouTube's API, Python Pandas, and the Lexicon library to determine the viewer sentiment toward YouTube videos |
| 2018-08 | Spell Checker <ul style="list-style-type: none">Built a dynamic hash table that stores over 460k english wordsProvides ranked spelling suggestions for incorrect words based off the word's popularity |

Relevant Coursework

Completed

Python Programming, C++ Programming, Single Variable & Multivariable Calculus, Probability and Statistics, Boolean Algebra & Logic, Data Structures

By Summer 2019

Machine Learning, Analysis of Algorithms, Data Management

Honors

- | | |
|------|---------------------------------------|
| 2016 | Distinguished Scholar Award |
| 2015 | Distinguished Community Service Award |
| 2015 | Eagle Scout |