

Will Van Der Wey

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EDUCATION

Stanford University 2021

Graduate Certificate - Foundations in Computer Science – GPA 4.1

- Relevant Coursework: Design and Analysis of Algorithms (CS 161), Principles of Computer Systems (CS 107), Mathematical Foundations in Computing (CS 103), Computer Organization and Systems (CS 110)

University of California Los Angeles 2018

B.S. – Molecular Cellular and Developmental Biology

- Relevant Coursework: Programming in Computing, Statistics, Linear Algebra, Multivariable Calculus

EXPERIENCE

Data Scientist 2021 - Present

Brereton, Hanley & Co. – Private Investment Banking

- Developed a sophisticated web scraper to aggregate data from a multitude of online sources using Python and Selenium
- Cleaned, processed and analyzed raw data to create a custom database of information on private companies for future customers using Python

Research Assistant 2016 - 2017

ZarLab – UCLA Computer Science Department

- Created a data pipeline to identify the source of unmapped reads from a large RNA sequencing dataset (GTEx) using Python and R – Published in *Nature Communications*

PROJECTS

Web Proxy

- Built a fully functioning, multithreaded web proxy capable of caching web pages, connecting over HTTPS, proxy chaining and blacklisting

Heap Allocator

- Designed and built a heap allocator in C capable of efficiently managing dynamic memory allocation with a throughput greater than 80%

SKILLS

Languages: Python, C/C++, HTML/CSS, SQL **Machine Learning:** Tensorflow, PyTorch, Keras, Numpy, Matplotlib, Pandas **Other:** Google Colab, Jupyter Notebooks, GDB, Git

Coursera: Machine Learning (Stanford), Deep Learning Specialization (Deeplearning.ai), Tensorflow 2 For Deep Learning Specialization (Imperial College London)