Will Van Der Wey

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EDUCATION

Stanford University   Palo Alto, CA
Graduate Certificate - Foundations in Computer Science – GPA 4.1   *2021*
- Relevant Coursework: Design and Analysis of Algorithms, Principles of Computer Systems, Mathematical Foundations in Computing, Computer Organization and Systems

University of California, Los Angeles   Los Angeles, CA
B.S. – Molecular, Cell, and Developmental Biology   *2018*
- Relevant Coursework: Programming in Computing, Statistics, Linear Algebra, Multivariable Calculus

EXPERIENCE

Brereton, Hanley & Co.   San Jose, CA
Data Scientist   *2021-Present*
- Developed a model to accurately predict financial information and corporate structure of private companies where information was either scarce or conflicting using Python.
- Streamlined the customer acquisition process by assembling and cleaning data from a multitude of sources using Python and pandas.

ZarLab - UCLA Computer Science Department   Los Angeles, CA
Research Assistant   *2016-2017*
- 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

Accuracy and Loss Congruency
- Investigated the relationship between accuracy and loss metrics of fully connected neural networks in PyTorch using the popular CIFAR10 dataset (wvanderwey.com).

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)