

# Will Van Der Wey

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## EDUCATION

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**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

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**Brereton, Hanley & Co.** San Jose, CA

*Data Scientist* 2021-Present

- Streamlined the customer acquisition process by aggregating data from a multitude of online sources using Python and pandas.
- Cleaned, processed and analyzed raw data to create a custom database of information on private companies for future customers using Python.

**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

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### 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

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**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)