

Neil Yeung

Machine Learning Engineer with research experience—looking to build and ship well-crafted data products.

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EDUCATION

Cornell Tech (Cornell University)

MEng in Computer Science, Merit Scholarship

Expected May 2024

University of Rochester

B.S. in Computer Science (with distinction), Minors in Math & Philosophy | GPA: 3.6

Aug 2019 - May 2023

SKILLS AND COURSEWORK

- **Programming Languages:** Python, Java, Scala, C/C++, Javascript, Go, Swift, SQL, Assembly
- **Tools & Technologies:** PyTorch, Tensorflow, Docker, AWS, MongoDB, React, Spark, GraphQL, Git
- **Coursework:** Computer Vision, Computer Architecture, Data Mining, Linear Algebra, Probability & Statistics

EXPERIENCE

Angelo Gordon

Machine Learning Engineering Intern

May 2022 – Aug 2022

New York City, NY

- Built a distributed big data business intelligence tool that processes 1 billion+ data points for alternative asset fund with 50 billion AUM, shipped prototype of tool to production.
- Improved Spark data pipeline using multi-dimensional clustering and bin-packing, reducing query latency.

Intel

Machine Learning Engineering Intern

May 2021 – Dec 2021

Santa Clara, CA

- Developed and deployed a Vision Transformer model for segmentation, resulting in a filed patent.
- Created a data pipeline for segmentation and object detection that ingests 1 million+ images.

Intel

Software Engineering Intern

June 2020 – Oct 2020

Folsom, CA

- Developed 5 novel statistics to measure performance for graphics performance simulator API.
- Created cloud-based dashboard to measure performance changes, using Elasticsearch and GraphQL to query simulator API, viewed 50+ times monthly.

VISTA Lab

Machine Learning Researcher under [Prof. Jiebo Luo](#)

Jan 2020 – Nov 2021

Rochester, NY

- Proposed generative Variational Autoencoder (VAE) video prediction model for medical images, collaborated with Amazon researcher, resulting in a [co-first author paper accepted to BME Frontiers 2022](#).
- Conducted data mining research on time-series Twitter data, resulting in a [first author paper accepted to IEEE Big Data 2020](#) (17% accept rate) conference and an interview on a popular [data science podcast](#), [Data Skeptic](#).

PROJECTS, PATENT, & PAPERS

- **BuddyBank:** [social, p2p micro-loans](#) made painless, [deck](#) | **Fluent.ai:** AI Stories for language learning ([demo](#))
- **Co-author** of filed computer vision segmentation patent application: “Tools and Methods for Dual Attention Vision Transformers for Interactive Image”.
- **First co-author** computer vision video prediction paper in journal *BME Frontiers 2022*: “Breast Cancer Induced Bone Osteolysis Prediction Using Temporal Variational Auto-Encoders”.
- **First author** data mining paper in *IEEE Big Data 2020*: “Face Off: Polarized Public Opinions on Personal Face Mask Usage during the COVID-19 Pandemic”.

ACTIVITIES & AWARDS

- **Academic:** Rush Rhees Merit Scholarship, Merit Scholarship for Cornell Masters, Research & Innovation Grant
- **Other:** [Amino Capital Fellowship](#), 3rd in [Forbes Entrepreneurial Competition](#), [iZone Grant](#), Hackathons