

Charles Gormley

Machine Learning Engineer

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New York/Philadelphia/Austin, United States

Software Engineer who is passionate about Building ML/DL Models, High-Performance Computing, Computer Vision, Robotics, & Entrepreneurship

WORK EXPERIENCE

Data Scientist | Machine Learning Engineer

Strados Labs

09/2021 - Present

Philadelphia, Pa

Medical Device company that aims to detect Coughs, RR, HR & other indicators in order to help prevent life-threatening illness.

Achievements/Tasks

- Integrated accelerometer and gyroscope data effectively into our RFC Machine Learning Algorithm
- Read 5-10 Research Papers and implemented their solutions into our working models
- Redeveloped and designed ML Feature Code to make run time improve 8x faster using vectorization/parallel computing

Data Engineer | Research Assistant

Drexel University

03/2021 - 07/2021

Philadelphia, Pa

Project was focused on attributing how much a shift in air traffic technology from 2013 changed prices of houses due to a subsequent increase in noise

Achievements/Tasks

- Created a sophisticated Data pipeline using python to pull data from 50+ airports and plot their past 8 years of air traffic in the United States using a Web-based GUI
- Compressed millions of points of air traffic data and save 12x on runtime
- Programmed Equation that represented how noise pollution is being attributed to over 40^4 housing blocks from air traffic

Software Engineer | Business Development Intern

Kredit

09/2020 - 03/2021

New York, New York

Centralizes conversations with debt collectors so consumers can resolve many accounts at once, on their terms.

Achievements/Tasks

- Developed a Graph Algorithm that arranged our 30+ web articles and future articles to have circular linking in order to optimize for SEO
- Assisted in the data curation, and cleaning of our own abstraction of GPT-3's NLP algorithm
- Managed & Directed Front-End Engineers to optimize HTML & CSS for site SEO
- Researched, created & managed Kredit's foundational marketing strategy which has seen 13x growth since the inception of the plan

Business Intelligence Intern

PRSCO

06/2019 - 09/2019

Building Material Supply company that aims to distribute building products to consumer facing businesses all over North East United States

Achievements/Tasks

- Performed monthly distribution and travel analysis in order to figure out efficient sales solutions
- Developed an automation technique for 100's of daily invoices to be processed efficiently
- Assisted and analyzed monthly financial statements with key visualizations in order to help direct the company

TECHNICAL SKILLS

Machine Learning

Sci-Kit Learn, Tensorflow/Keras, PyTorch

Data Science

Pandas, Numpy, Scipy, Stata

Deep Learning

OpenCV, NLP

Automation

Selenium, Requests, Mouse/Keyboard automation

Visualization

Seaborn, Matplotlib

Management

Microsoft Office, Google Suite, Figma, Kanban

PROGRAMMING LANGUAGES

Python

Full Professional Proficiency

SQL

Full Professional Proficiency

R

Professional Working Proficiency

AWS

Professional Working Proficiency

C++

Professional Working Proficiency

Java

Elementary Proficiency

EDUCATION

B.S. Data Science & Economics; minor: Computer Science

Drexel University

09/2019 - Present

Philadelphia, PA

Courses

- Econometrics
- International Economics
- International Finance
- Intermediate Microeconomics
- Game Theory
- Machine Learning
- OOP & Design
- Unix/Bash/C++
- Linear Algebra
- Calculus

ORGANIZATIONS

Drexel Artificial Intelligence (09/2021 - Present)

Drexel Venture Capital (04/2021 - Present)

Drexel Business Development (09/2019 - Present)

Screen Actors Guild (08/2020 - Present)

8 to the Bar Acapella (09/2021 - Present)

Drexel Theatre Scholarship Recipient (09/2019 - 06/2020)