Leon Lu

Cell Phone: 301-803-0301 | **E-mail:** leonjiaolu@gmail.com

EDUCATION

Carnegie Mellon University, Pittsburgh, PA — December 2021

Degree: Bachelor of Science in Statistics and Machine Learning

Dean's List: Spring 2019, Spring 2021 — **Cumulative GPA:** 3.6/4.00

Relevant Coursework:

- Graduate Artificial Intelligence
- Algorithms for Natural Language Processing
- Introduction to Machine Learning
- Intermediate Deep Learning
- Algorithms & Advanced Data Structures
- Advanced Methods for Data Analysis

SKILLS

Technologies: Presto, Hive, AWS (EC2, S3, EMR), Git
Coding Languages: Python, R, PostgreSQL, Java
Libraries: Numpy, Pytorch, Pandas, Matplotlib, dplyr, ggplot2, Tidyverse

WORK EXPERIENCE

Roblox — Remote
Data Science Intern — May 2021 – August 2021

- Worked on the Social Reference Content team
- Used Pytorch, AWS, Hive, and Presto to create user compatibility scores for an in-game profile card in order to help users connect and build stronger relationships, thus improving user experience and retention
- Collaborated with engineers and product managers to develop, test, and deploy the profile card at the company wide town hall

Building Blocks Technologies — Remote
Natural Language Processing Intern — June 2020 – August 2020

- Used Python and Stanford CoreNLP to build a named entity recognition system that identifies technology needs and focus in the blockchain industry by extracting location, salary, company name, and date posted from job postings in various countries with >90% accuracy. The data will be used in visualizations for customers to understand the future of the blockchain industry and give them the ability to make informed decisions about hiring, investing, teaching, and more

Behavioral Health Research Lab — Pittsburgh, PA
Research Assistant — June 2019 – December 2019

- Collected and checked subject data with Statistical Product and Service Solutions (SPSS)
- Trained other research assistants in screening and data collection

National Institute of Standards and Technology — Gaithersburg, MD
Research Intern — June 2017 – August 2017

- Used LabVIEW to incorporate liquid crystal variable retarders into lab setup which doubled the efficiency of data collection and decreased variance in the data. This efficiency increase helped the lab collect data on novel semiconductor materials and their properties for improvements in processing power of electronics
- Built, programmed, and integrated shutters in lab experiment through an Arduino; reduced human error and increased productivity by removing the need for blocking the laser by hand
- Acknowledged for creating a LabVIEW program that captured and calculated the profiles of a laser beam in "Femtosecond Laser Eyewear Protection: Measurements and Precautions"

PROJECTS

Stellar Temperature Data Analysis — October 2019 – December 2019

- Predicted stellar temperatures, based on data from the European Space Agency's Gaia Telescope, with machine learning techniques such as linear regression, regression trees, random forest, and XGBoost

LEADERSHIP EXPERIENCE

Camp Kesem — Pittsburgh, PA
Co-director, Development Coordinator, Unit Leader — August 2019 – Present

- National non-profit that supports children whose parents have been affected by cancer
- Recruited and led coordinator board of 13 coordinators to achieve chapter goals of recruiting 30 counselors, fundraising $30000, and planning and operating a weeklong camp
- Negotiated with CMU Finance to secure $9000 in school funding.
- Maintained professional communication with camper families, community contacts, advisory board members