

DANIEL FARID

206 Elm Street, 205169 New Haven, CT 06520 * (818) 424-8581 * danny.farid@yale.edu

EDUCATION

Yale University, New Haven, CT, Expected: May 2022

Bachelor of Science in Applied Mathematics w/ concentration in Data Mining and Machine Learning

Bachelor of Science in Statistics & Data Science, GPA: 3.8/4.0

Representative Coursework: Data Mining & Machine Learning, Statistics, Statistical Inference, Data Analysis and Visualization, Data Structures, Probability Theory, Economics, Natural Language Processing

University of California, Los Angeles, UCLA Summer Session, June – August 2019

Coursework: Introduction to Programming (learned C++)

Campbell Hall High School, Los Angeles, CA, *Diploma*, 2018

Awards and Honors: Valedictorian, Harvard Book Award, National Merit Finalist, Cum Laude Society, National AP Scholar

EXPERIENCE

Optum Medical Management Analytics, *Analyst*: May 2020 - August 2020

- Assist in analysis of Optum CDO data to build data models and interactive data dashboards to provide actionable insights to Optum leadership
- Use of statistical methods and heavy programming (SQL, Excel, Tableau) to develop predictive models using relationships between data such as re-admission rate and LACE score, post-discharged visits, etc.

Campbell Scholars Program, *Intern/Project Manager*: June 2019 – September 2019

- Supervised analysis of SAT score data for 10th graders; used data science and analysis techniques (Python, Excel) to build innovative SAT tutoring program
- Increased SAT scores by up to 20% more than traditional SAT tutoring strategies, *publication in progress*

Yale Undergraduate Aerospace Association, *Member, CubeSat Team*: August 2019 – Present

- Assist in data analysis processing strategies for YUAA's CubeSat, which is one of 16 satellite teams chosen by NASA to launch into low Earth orbit to study cosmic rays
- Future launch currently being planned with data processing module onboard

Hands for Haiti, *Founder, Treasurer*: September 2016 – Present

- Responsibility as Founder/Treasurer is to supervise all fundraising efforts and analyze financial reports/data
- Managed distribution of \$160,000 in donations; built elementary school for 400 students and 2 water filtration systems in Port-de-Paix

ACTIVITIES AND LEADERSHIP

Yale Student Technology Collaborative, *Student Technician Coordinator (Paid Job)*: 2018 – Present

- Assist all Yale students in using technology; extensive software and hardware training (4 months)
- Coordinator of Yale's main customer facing technology support office; manage daily operations and train new workers (report directly to manager of Yale ITS)

Code Haven, *Mentor, Board Member (Treasurer)*: September 2019 – Present

- Mentor/teach middle school computer science students within New Haven to increase accessibility to C.S.
- Responsibilities are to lead weekly classes and utilize data to make financial decisions for the program

Computer Science Individual Projects, *Personal Projects*

- Tic-tac-toe game in C++ (using custom graphics class) with first attempt at artificial intelligence
- "Casino" : blackjack, roulette, and poker in C++ (focus on object oriented programming and AI)

SKILLS

Technical: Programming (Python, SQL, C++, R, MATLAB, Unix, NumPy Data Science package, pandas package, SAS), Data Visualization (Tableau, Excel, PowerBI), Visual Studios, Anaconda, Computer Science (Natural Language Processing, Machine Learning, Algorithms)

Personal: Spoken/written Communication, Collaboration, Creative Thinking, Self-motivated, Leadership

HOBBIES

- Treasurer and Magician for Yale Magic Society, Vice President of Yale Chocolate Artisans Organization
- Basketball, traveling, cooking (and eating)