SALIL NADKARNI

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EDUCATION

University of Michigan — **Ann Arbor, MI**
Bachelors of Science Engineering in Computer Science with a Math Minor — **Aug 2019 - Apr 2023**

- GPA—**3.90** / 4.00
- *Relevant Coursework*: Data Structures and Algorithms, Foundations of Computer Science, Introduction to Probability, Discrete Mathematics, Programming and Introductory Data Structures, Introduction to Autonomous Vehicles
- *Honors*: Briggs Scholar ($12,000 scholarship)

Northville High School — **Northville, MI**
Graduated with High Honors — **Dec 2015 - Jun 2019**

- *GPA:* **4.00** / 4.00, ACT: **35** / 36, SAT: **1590** / 1600
- *Relevant Coursework:* Linear Algebra, Calculus 3, Advanced C++, Calculus 2, Statistics, Computer Science Java, Computer Science Principles, Chemistry, Physics C (Mechanics and E&M), Andrew Ng's Machine Learning, CAD 1

EXPERIENCE

Google Inc. — **New York City, NY | Detroit, MI**
Incoming Student Training in Engineering Program (STEP) Intern — **May 2020 - Aug 2020**

- Will be working with one other intern to develop custom data viz. software for metrics generated from 'ad reports'
- Will integrate product with Display & Video 360 enterprise product, used by major publishers (eg. NY Times, WS Journal)

Participant at Google Computer Science Summer Institute (CSSI) — **Jul 2019 - Aug 2019**

- Created a 'social media for movie-goers', built upon HTML5/CSS, Javascript, Python, and Google App Engine
- Authenticated users with GAE login service, allowing users to maintain 'favorite movies' list and recommended movies to watch based on a recommendation algorithm built on OpenMoviedB's API and other users lists (code @ github.com/salnad)
- Pitched project using a slidedeck and live demo to an audience of Google Software Engineers

Michigan Data Science Team (MDST), University of Michigan — **Ann Arbor, MI**
Data Analyst, r/rateme project — **Sept 2019 - Present**

- Investigated whether post title affected scores distribution for r/rateme, where users submit pictures for others to 'score'
- Developed regex expressions to extract age, gender, and score data from reddit posts and comments
- Conducted exploratory data analysis and visualized relationships between several variables (age, gender, upvotes) using python, pandas and matplotlib (code @ github.com/michigandatascienceteam and writeup @ mdst.club/projects)

Quantitative Investment Society, University of Michigan — **Ann Arbor, MI**
Data Engineer — **Sept 2019 - Present**

- Engineered a tool-set of python scripts to aid Quantitative Analysts in algorithm development (code @ github.com/salnad)
- Wrote a python script to pull fundamental economic data from EDGARdb / SimFin API and download into a CSV file
- Generated web scraper using python / BeautifulSoup to pull headlines from a variety of economic news sources for sentiment analysis

Predica Inc. — **Southfield, MI**
Software Engineering Intern — **May 2018 - Oct 2018**

- Collaborated with 2 interns directly under CEO to prototype a platform that evaluates applicants for tech consulting jobs
- Used javascript / Selenium / LinkedInAPI to scrape through thousands of tech consultant profiles in Metro Detroit area
- Used basic clustering algorithms and statistical libraries (numpy) to report averages and trends in collected data

PROJECTS AND SKILLS

Financial Subreddit Analysis, code @ github.com/aveekd/financeSubredditAnalysis *using Python, pandas, matplotlib, pushshift API*
Wrote and generated a report and analyses on the belief in the market in various financial subreddits (eg. r/investing, r/wallstreetbets) using jupyter notebooks and various python packages to run sentiment analysis on large amounts of reddit data

Spotify Web Queue, code @ github.com/salnad/SpotifyWebAppv2 *using HTML5, Bootstrap, CSS, Flask*
Created a web application using flask, spotipy, and sqlite that allowed users to submit song requests in a 'virtual queue' that would then be automatically played on a connected. Implemented features like crowd upvoting, crowd suggestions, and multiple 'rooms'.

Languages: Python, C++, Javascript, HTML5/CSS, Java

Technologies: Flask, Bootstrap, numpy, pandas, matplotlib, BeautifulSoup, Selenium, GoogleAppEngine