Div Dasani

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EDUCATION

Northwestern University, McCormick School of Engineering   Evanston, IL
Master of Science in Electrical Engineering   Expected March 2020
Bachelor of Arts in Statistics, Mathematical Methods in the Social Sciences   Expected March 2020
- GPA: 3.74/4.00 | ACT: 35/36
- Relevant Courses: Deep Learning, Reinforcement Learning, Statistical Computing, Advanced Computer Vision, Linear Algebra
- **Technologies:** Python (NumPy, Pandas, autograd, Flask), SQL, Scala, Apache Spark, AWS, Java, R, Google Analytics

Harvard Business School   Cambridge, MA
Summer Venture in Management Program   June 2018 – June 2018
- Partook in a selective and rigorous week-long program consisting of 14 MBA cases taught by renowned HBS professors

WORK EXPERIENCE

Facebook   Seattle, WA
Data Science Intern- Infrastructure   September 2019 – November 2019
- Pioneered a neural network to estimate CPU utilization of Facebook live video transcoding requests using encoded parameters
- Implementing a dynamic slotting dispatcher to allocate optimal number of cores to requests, increasing server efficiency by 35%

Roku   Los Gatos, CA
Software Engineering Intern- Recommendations   June 2019 – August 2019
- Built "More Like This" feature for The Roku Channel, which uses matrix factorization to personalize movie recommendations
- Employed Apache Spark and AWS Redis to build data pipelines, capable of handling user requests with <10ms latency

The Boeing Company   Renton, WA
Financial Data Engineering Intern   June 2018 – September 2018
- Pioneered a classification algorithm to identify handwritten digits, automating maintenance record data collection process
- Developed a clustering algorithm to visualize corporate travel and presented analysis to CFO, reducing expected costs by 30%

TECHNICAL PROJECTS

xterns.com (link)   Evanston, IL
Co-Founder and CEO   October 2018 – Present
- Developed a platform designed to connect diverse, talented students from across the country to top employers through externships
- Built backend using Flask and MySQL, constructed internal analytics platform, and conducted A/B testing for the website.

Image Colorization Algorithm (link)   Evanston, IL
Author   January 2019 – March 2019
- Developed a convolutional neural network capable of colorizing grayscale images realistically
- Presented research to technical and nontechnical audiences at annual Northwestern research exposition (abstract)

Recommendation Algorithm (link)   Evanston, IL
Author   March 2019 – March 2019
- Built a recommender system with implicit feedback data from Instacart using a collaborative filtering algorithm
- Programmed the mean percentile ranking metric and employed it to test the accuracy of the algorithm

LEADERSHIP EXPERIENCE & EXTRACURRICULARS

Facebook Data Challenge (link)   New York City, NY
Data Science Finalist (2nd place)   April 2019 – April 2019
- Extracted and joined public Yelp review data with local business data to identify innovation opportunities in the restaurant market
- Presented proposal and data-driven approach to a panel of Facebook Data Scientists and Data Engineers

Hck NU   Evanston, IL
Machine Learning Specialist   March 2018 – Present
- Designed machine learning mini tutorials for first-year students to increase awareness of the field
- Built and maintained connections with corporate sponsors to increase professional development opportunities within Hck

Strive for College: Northwestern University Chapter   Evanston, IL
Treasurer and Mentor   February 2017 – Present
- Assisted 5 low-income, minority high school students through the college application process
- Managed the funding and budget for the organization, putting on several educational events throughout the year