github.com/firstlast
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First Last

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Education

Master of Science in Computer Science — Data Science *Fall 20XX*
My University GPA: **3.9X/4.0**

Bachelor of Science in Computer Science *Fall 20XX – Fall 20XX*
My University GPA: **3.9X/4.0**

Skills

Languages	Python (SciKit, Matplotlib, Spark), C/C++, Java (Hadoop), SQL
Machine Learning	Neural Networks, Gradient Boosting, Nearest Neighbors, Clustering, Markov Decision Process
Tools	Git, Amazon Web Services (DynamoDB, Lamdba, ...), Linux (Red Hat, Ubuntu)

Experience

Computer Science Mentor My University *Jan. 20XX – Present*

- Hold daily walk-ins and supervise exam reworks for data structures, C/C++, Java, etc. for 15 students on average.

Machine Learning Intern Company Name *Jun. 20XX – Aug. 20YY*

- Developed an in-house malicious intent identifier by using a gradient boosted classifier, Apache Spark, and Apache Kafka to determine the most likely classification from a continuous stream of data.
- Accomplished the task with 1 month less than planned by employing a scrum-based development cycle to get frequent feedback and maintain a fast-paced development cycle.
- Achieved 97% and 99% test accuracy on the generated and real data streams.

Projects

Content Evaluator (Python) — Company Name *Jan. 20XX – May 20YY*

- Preprocessed & simplified dataset by using OCR, hand filtering, and automatic filtering using python pandas.
- Utilized Facebook's fasttext library to train a hierarchical classifier and determine the corresponding label.
- Achieved a 89% increased chance of a correct classification over random guessing using the fasttext classifier.

Score Predictor (Python) — Hackathon 20XX *Nov. 20XX*

- Achieved 1st place in an artificial intelligence hackathon by leading a team of 5 to create a program that predicts the final score of a game before it even starts.
- Reduced 181GB of data by a factor of 100,000 by using pandas to strip the data to only our necessities.
- Utilized gradient boosting using the XGBoost python library to predict scores within 10 points on average.

Optimal Policy Finder (Python) — Machine Learning Course *Oct. 20XX*

- Implemented policy iteration to determine the best action to take at any state.
- Utilized a Markov Decision Process (MDP) to calculate the optimal policy at each iteration.
- Optimized the number of required calculations via memoization to reduce redundancy.

Organizations

University Tech Organization Vice President *Fall 20XX – Fall 20YY*

- Oversaw technology team and other committee teams in the nonprofit organization.
- Planned multiple workshops and a hackathon focused on cloud computing to train and evaluate submissions.

Awards and Honors

1st Place AI Hackathon — Score Predictor *Nov. 20XX*

Undergraduate Dean's List *Fall 20XX – Fall 20YY*