

EDUCATION

Master of Science in Computer Science — Data Science

My University

Fall 20XX

GPA: **3.9X/4.0**

Bachelor of Science in Computer Science

My University

Fall 20XX – Fall 20XX

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, Lambda, ...), 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

MISCELLANEOUS TIPS/TRICKS/HINTS

Note: This section should not be in the final version of your resume. This section exists only to help you write the above actual sections that you will present to companies.

Guidelines for Writing Experience & Project Bullet Points

The first bullet point should effectively be a sales pitch. It should tell me why the project worthy of being put on the resume and hook the recruiter into what you are capable of doing. After that, provide the details of what you worked on.

For writing both a good sales pitch bullet point and the following details bullet point(s), there are handful of way to writing them. Here are some approaches I am aware of:

1. (What did you accomplish?) - (Do you have any numbers to back up the importance of your accomplishment?) - (How did you achieve what you accomplished?)
2. (What did you accomplish?) - (What tool/technique(s) did you use?) - (how was the tool/technique(s) used to accomplish the feat?)
3. (What did you accomplish?) - (why did you do it?) - (how did you accomplish it?)
4. (What did you accomplish?) - (how did you accomplish it?)

The key point is that you always state what you accomplished and how you did it. Prefer using approaches 1–3. Use approach 4 as a last resort.