**OBJECTIVE**

* Proactive and objective-oriented Computer Science student looking to expand on technical and research experience with a software engineering position exploring artificial intelligence.

**EDUCATION**

BS in Science in Computer Science, Machine Learning concentration (Honors Program) University of Maryland, College Park

* Current GPA 3.86, Expected graduation May 2024

| **Skills and Experience**   * Java, Python * SQL * Pytorch and Tensorflow * Torchtext * Running environments on Docker * LSTMs * Seq2seq | **Past Coursework**   * Object Oriented Programming II * Algorithms * Applied Probability and Statistics   **Current Coursework**   * Introduction to Probability Theory * Introduction to Data Science * Introduction to Artificial Intelligence |
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**RESEARCH EXPERIENCE**

Research Assistant - UMD Dept. of Astronomy August 2021-Present

* Using Tensorflow to implement nearest neighbor models to study and develop the use of machine learning frameworks to simulate and predict complex systems under Dr. Sharma, a Senior Research Fellow at the University of Maryland’s Department of Astronomy.

BigThink AI - UMD October 2021-Present

* Using Pytorch and Torchtext as the base for a seq2seq Natural Language Processing model that can identify bad actors and justify its classifications.

**EXPERIENCE**

Junior Analyst - Fannie Mae June-August 2022

* As part of a migration to AWS Redshift, wrote python scripts using pandas to maintain data integrity while handling data dumps and data analytics queries from downstream applications.
* Assisted in analyzing data to find trends and correlations between home, auto, and student loans to extrapolate across time series and analyze financial capacities.

Intern - Fluency Security June-July 2021

* Used Java on Kotlin and Spring Boot framework to create a project classification API compiling components, information, resources, and deadlines into a MySQL database and implemented front end REST handles using Javascript, HTML and CSS to automatically classify user input.

Intern - Global Science & Technology, Inc. July-August 2019

* Used Java to automate reformatting and validation of Excel sheet data to match updated guidelines in preparation for a data migration of NASA’s High End Computing allocation program.