

Adithya Solai

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EDUCATION: University of Maryland - College Park, MD
Major: Bachelor of Science, Computer Science w/ Data Science
Minors: Statistics & Business Analytics

Cumulative GPA: 3.926

Expected Grad: Fall 2021

LANGUAGES: Java, Python, SQL

WORK EXPERIENCE:

- **Data Solutions Intern at 605** (Data Analytics Firm for TV ads) – (June 2019-Aug 2019)
 - Wrote regression testing scripts that queried relational databases with millions of rows and randomized 10+ user input fields.
 - Presented technical projects clearly and concisely to 30+ technical and non-technical employees and higher management.
- **Self-Employed Private Chess Tutor** – (Sept 2016-Aug 2019)
 - Coached 30+ children to become US Chess Federation-ranked players and medalists of dozens of tournaments.

PROJECTS:

- **Regression Testing Algorithm** – 605 Internship – Python (Pandas) & SQL
 - Developed fully-randomized testing script with millions of input combinations that accurately compares 605's live scripts with those in development.
 - Queried AWS Redshift relational databases for specific data ranges using SQL joins to aid in randomization.
 - Created readability for non-technical users by exporting algorithm results to Python-generated, digestible Excel sheets.
- **Linear Algebra Calculator** – Personal Project expanded from course concepts – Java
 - Implemented fundamental Linear Algebra functions such as finding the inverse, determinant, and row-reduced echelon form of a matrix.
 - Optimized these functions using advanced concepts from my Lin. Alg. course.
- **NBA Analytics** – Personal Project – Python (Pandas)
 - Scraped season average stats for 400+ NBA players by studying the website's HTML format and using BeautifulSoup to pull the data.
 - Cleaned raw data by utilizing Pandas' DataFrame operations to remove 30+ rows.
- **Song Lyric Analysis Script** – Personal Project expanded from class example – Java
 - Analyzed unique words and word frequency in thousands of song lyrics across various artists using built-in Java Maps and Sets.

LEADERSHIP / EXTRACURRICULAR:

- UMD International Economics and Finance Society–VP of Content (Dec 2019 – Present)
 - Leading a committee of 4 researchers in developing engaging slide decks and case studies in areas such as value investing, crypto/blockchain, and political policies.
 - Responsible for presenting these topics to improve the analytical skills of 60+ members and have interactive discussion on finance/economics concepts.