

VINCENT ALLAM

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professional summary

- Wanting to provide a positive impact to humankind by applying my knowledge of AI/machine learning in areas such as healthcare, human capital, and financial services.
- Github Profile: <https://github.com/VincentA004>

experience

Sep 2022 - Present

RESEARCH LAB ASSISTANT

Baylor College of Medicine, Houston, Texas

- Complied and cleaned up research data and produced AI models to predict patient diagnosis
- Worked on advanced deep learning technologies such as U-Nets in order to process medical imaging data such as FMRI, MRI and CAT scan data
- Extracted results from AI models and worked with other researchers to create reports

May 2022 - Present

AUTOMATION DEVELOPER

TAP Innovations, Irving, Texas

- Used automation scripts (python) to retrieve client data from one HCM system and transfer the data to another HCM system
- Worked with clients and project managers to create feasible and affordable solutions
- Consulted with customers and other departments on project status, proposals and technical issues, such as software system design and maintenance.

education

Expected graduation **May 2023**

HIGH SCHOOL DIPLOMA

GPA **3.8**

Hebron High School,
Carrollton, Texas

Relevant Coursework

AP Calculus BC (5)
AP Computer Science
AP Physics C: Mechanics Exam
AP Physics C: Electricity and Magnetism
AP English Literature and Composition
AP Chemistry (5)
AP Biology (5)
AP United States History (4)
AP English Language and Composition (5)
AP Physics 1
AP Environmental Science (5)

Awards & Honors

A Honor Roll
Calculus student award
AP Scholar with Distinction
Chemistry student award

Extracurricular Activities

Hebron Red Cross (Founder and President)
Technology Student Association (TSA)
Science National Honor Society (SNHS)
Business Professionals of America (BPA)
National Honor Society (NHS)
DECA
Intellichoice
Health Occupations Students of America (HOSA)

Jan 2021 - May 2022

JUNIOR RPA DEVELOPER

Allruva Technology Services, Lewisville, TX

- Created robotic processes to automate and speed up workflows for clients.
- Modified existing software to correct errors, adapt to new hardware or upgrade interfaces.
- Collaborated with a team of RPA developers to create affordable solutions for client.

Key Club

skills

- Python - able to build projects in numpy, pandas, selenium and tensorflow
- SQL - able to write stored procedures and query large databases
- Java - able to create sophisticated projects and backend development
- C# - able to build and deploy .NET and desktop applications

volunteer experience

Aug 2022 - Present

AP CHEMISTRY LAB ASSISTANT

Hebron High School Chemistry Department, Carrollton, Texas

- I help teach and tutor underclassman taking AP chemistry. I provide guidance to them and help the teachers set up time intensive labs

Apr 2022 - Present

BLOOD DRIVE COORDINATOR

American Redcross, Carrollton, Texas

- Worked with the official American red cross and coordinated blood drives at my highschool.
- Handled school side logistics of a blood drive

Aug 2021 - Present

TUTOR

Intellichoice, Carrollton, Texas

- Helped tutor impoverished youth so they obtain scholarly excellence thorough the subject of math

Sep 2021 - Dec 2021

GENERAL CHEMISTRY TUTOR

Science National Honor Society (SNHS), Carrollton, Texas

- I helped tutor general chemistry to students that struggled with chemistry

projects

AI Liver transplant survival predictor (Python) - Predicts survival rate of liver transplant patients based on donor and patient medical histories

AI Algorithmic trader (Python) - Trades stocks listed in the S&P 500 index based on an AI model trained on historical data (40 yrs)

Backtesting technical trading indicators (Python) - Back-tested common technical indicators to find indicator that yields greatest ROI

Neural network from scratch (Python) - Built neural network from scratch (numpy) that predicts digits based on images

Alpaca Brokerage Autotrader SMA (Python) - Trading program that uses SMA to autotrade stocks through Alpaca paper brokerage

TAP Innovation Automation scripts (Python) - Automation scripts to transfer files from one system to another

GPU bot buying scripts (Python) - Automation script that buys GPU's from retail stores

AP Chemistry Titration Programs (Python) - Calculates and models acid base titration reactions

AP Computer science labs (Java) - Accumulation of labs done in AP computer science

Projects listed above can be found here: <https://github.com/VincentA004>