

Aaron Duong

832-507-9433 | aaron.duong@rice.edu | [linkedin.com/in/duongaaron/](https://www.linkedin.com/in/duongaaron/) | github.com/duongaaron/

EDUCATION

Rice University

BS in Computer Science & BA in Business (Concentration in Finance)

GPA: 3.69

Relevant Courses: Neural Networks & Artificial Intelligence, Discrete Math & Algorithms, Data Structures, Multivariable Calculus, Linear Algebra, Probability and Statistics

Honors: UNCF Chevron Scholar, Science Olympiad State Medalist (TX), 2x TISCA Academic All-State

Houston, TX

Expected 2025

EXPERIENCE

Software Developer

RiceApps Open Source Accelerator

- Developing an e-commerce web app with HTML/CSS, React, JS, MongoDB, and GraphQL.

June 2023 – Present

Houston, TX

Machine Learning Researcher

Rice University

- Researching methodologies to solve the linear regression problem of matrices using a sampled features technique.

May 2023 – Present

Houston, TX

Machine Learning Researcher

University of Texas Health

- Developing a GPT plugin using Langchain to process a genomics knowledge base for synthesizing information.

July 2023 – Present

Houston, TX

Data and Research Analyst

Jones Graduate School of Business

- Created and managed a CRM system in Excel to transition into a more efficient process of handling data as opposed to Rice's previous CRM system.
- Successfully transformed & optimized 15,000 Excel rows to integrate into a CRM system made from scratch.
- Developed efficient and accurate Excel code to automate data processing and visualization to increase efficiency ten-fold across multiple sheets, resulting in streamlined workflows and improved data accuracy.

Oct 2022 – Present

Houston, TX

Data Science Researcher

Rice Data Exploration and Experiential Projects Program

- Collaborated in a 5-person team on a semester-long data science project, leveraging analytical skills to investigate and present insights on the relationships among diverse nutritional attributes across Starbucks menu offerings.
- Employed machine learning techniques to process and analyze the Starbucks menu, providing actionable insights that empower consumers to make informed nutritional decisions when selecting items from the menu.

Aug 2022 – Dec 2022

Houston, TX

LEADERSHIP

Logistics Committee Member

Rice University Datathon

- Designed and executed an innovative event navigation solution by developing a user-friendly map, streamlining participant experience, and enhancing event engagement (400+ participants).

Oct 2022 – Jan 2023

Houston, TX

STEM Tutor

Paper Tutor

- Delivered K-12 online education using inquiry-based techniques, promoting critical thinking and engagement.

Nov 2022 – Feb 2023

Remote

Captain and Invitational Co-Director

Cypress Falls Science Olympiad

- Planned and executed Texas' largest Science Olympiad invitational for over 500 participants, alongside leading team meetings, local competitions, and social activities.

Aug 2021 - May 2022

Houston, TX

SKILLS, INVOLVEMENTS, & INTERESTS

Languages: Python, Java, JavaScript, C

Libraries: TensorFlow, Keras, React, scikit-learn, matplotlib, NumPy, pandas

Frameworks: HTML, CSS

Involvements: Club Water Polo, Campanile Orchestra, Vietnamese Student Association, BASYK K-Pop Dancer

Interests: Water Polo, Table Tennis, Mountain Biking, Playing Trumpet, Hiking