

Athanasios (Thanos) Tassiadamis

Las Vegas, NV | [GitHub](#) | [Portfolio Website](#)

EDUCATION

University of Nevada, Las Vegas, Honors College

Bachelor of Arts in **Computer Science**, Minor in **Mathematics**, Minor in **Economics**

Las Vegas, NV

Anticipated May 2026

- **GPA:** 4.0/4.0; Dean's List
- **Computer Science Coursework:** Object Oriented Programming (C++), Data Structures & Algorithms, Systems Programming (x86 & MIPS), Computer Organization, Intro to Machine Learning, Operating Systems, Cloud Computing, Full Stack Web Development
- **Math Coursework:** Differential Calculus, Integral Calculus, Discrete Mathematics, Statistical Inference and Probability
- **Graduate Coursework as Undergraduate:** Advanced Analysis and Presentation of Data

TECHNICAL SKILLS

Programming Languages: C++ (1.5yr), Python (1yr), C (1yr), and JavaScript (0.5yr)

Libraries & Frameworks: NumPy, Pandas, SciKitLearn, Keras, and TensorFlow

Web Development: HTML, CSS, React, and Node.js

Databases & Tools: PostgreSQL, Git, Linux, and AWS

PROJECTS

ML for Stroke Prediction (Python: Pandas, SciKitLearn, Keras, and TensorFlow) | [ML GitHub Link](#) | Oct. – Dec. 2024

- Collaborated on a team of four to analyze the Kaggle Stroke Prediction Dataset, leveraging advanced machine learning techniques and models including Random Forest, Decision Trees, Feed-Forward Neural Networks, KNN, SVM, and GBM to achieve a best performing recall of 96% and accuracy of 80% on a highly imbalanced dataset (95% no-stroke, 5% stroke).
- Preprocessed imbalanced and unclean data using various techniques such as one-hot encoding, feature selection, under-sampling, standard scaling, k-fold cross validation, and SMOTE.
- Presented findings and visualized data to a class of 50+ students [ML presentation](#).

BIGNUM WITH KARATSUBA (C++) | [BigNum GitHub Link](#) | April - May 2024

- Applied object-oriented programming (OOP) principles and the divide-and-conquer algorithm paradigm to create a Big Integer class with a custom Karatsuba multiplication algorithm, enabling operations such as addition, subtraction, division, and multiplication on numbers with digits up to the maximum string length allowed by computer hardware.
- Incorporated arithmetic and logical operator overloading on the “+,-,*,==,!=,<,<=,>,>=” operators to provide functionality and readability akin to standard C++ integers

STOCK VISUALIZATION (Python, Django, JS, HTML, Chart.js, CSS, SQLite) | [Stock GitHub Link](#) | Jan. – Feb. 2025

- Developed interactive stock visualization tool that dynamically fetches and caches user-selected historical stock and crypto data from Alpha Vantage API, leveraging SQLite for data storage.
- Utilized Chart.js, AJAX, and JavaScript for asynchronous updates to front-end charts with minimal page reloads and an interactive user experience.

LEADERSHIP EXPERIENCE / EXTRACURRICULAR

Founder/President

UNLV AI & Data Science Club ([UNLV AI & Data Science Club](#))

Las Vegas, NV

May 2024 - Present

- Lead and manage a team of 13 officers and over 250 members, coordinating efforts to successfully launch initiatives such as the club's dynamic website, discord bot, guest speakers, workshops, and research projects.
- Acted as the primary liaison to the club financial department, overseeing the management of club funds, establishing a club bank account, and leading grant application processes totaling \$20,000 in potential funding.

Vice President/Competition Team Lead

UNLV Association of Computing Machinery ([ACM UNLV](#))

Las Vegas, NV

May 2024 - Present

- Organized and led weekly practice sessions on data structures, algorithms, programming paradigms, and mathematical methods to prepare for competitive programming competitions including the Southern California ICPC regionals.

Manager

Desert Breeze Aquatic Center

Las Vegas, NV

Sept 2021 – Aug 2023

- Oversaw a team of 50+ staff members, managing daily operations and ensuring safety protocols.

INTERESTS, AWARDS, AND ADDITIONAL INFORMATION

Awards: Roy and Helen Kelsall Engineering Scholarship; James H. Bilbray Public and Community Service Scholarship; UNLV Signature Academic Scholarship; Governor Guinn Millenium Scholarship

Languages: English (Native), Greek (Verbal)

Interests: Basketball, Travel, Auto Chess (Top 1% in TFT), Reading