

Highly analytical and results-driven professional with a solid background in machine learning, statistics, software development, data science, AI and web development. I currently have a first authorship for an upcoming AI phenotyping research paper regarding classifying Cerebral Palsy using AI. I Have intentions on helping/solve my auto-immune disease with applications of AI and machine learning. I've demonstrated expertise in programming skills with a deep understanding of statistics and probability and am an expert in developing scalable web applications and delivering end-to-end solutions to meet client expectations from prior projects. Ability to manage sensitive data & skilled in interpreting complex sets of data and identifying trends and patterns. Effective communicator having demonstrated ability to collaborate with cross-functional teams. Passionate about solving real-world problems and driving innovation through artificial intelligence, data science and machine learning.

## Technical & Career Proficiencies

| Python | R | TensorFlow | NumPy | Statistics | Keras | Scikit-learn | Matplotlib | Probability | Algorithms | Research methods | Tableau | SAS | Machine Learning | AI | Git | Excel | HTML / CSS / Bootstrap | MVCs & PHP Frameworks (CodeIgniter) | Data Science | Java | Networking | OOP | Data Structures | MERN Stacks | JavaScript | React.js | node.js | jQuery | Ajax | Jupyter | GitHub | Slack | Unix | MEAN Stacks | PHP | MySQL | Ubuntu | AWS | Web Applications | C++ | Microsoft Suite | IT | Cloud Computing | Databases |

## Career Experience

### Graduate Artificial Intelligence and Biomedical Engineer Researcher

May 2024 – Current

University of North Texas - Denton, TX

- ☐ Research in artificial intelligence, machine learning & application of those technologies into the field of biomedical engineering.
- ☐ First author on : "Objective Classification of Hemiplegic Cerebral Palsy: Objective Cluster Analysis of Whole Time Series Gait Data" [link](#)
- ☐ Orthopedic Research Society Member. Podium speaker @ ORS Phoenix, 2025.
- ☐ Directed by Dr. Mark V. Albert. Graduate Artificial Intelligence and Computer Science Researcher at the University of North Texas

### Freelance Mathematics Tutor & Freelance Full-stack Web & Software Developer

2019 – 2024

Delivered end-to-end solutions, including front-end and back-end development, database management, testing, networking, IT & much more. Collaborated with clients to develop and implement effective front-end solutions using MERN stack MVC frameworks, React.js & Node.js. Stayed constantly updated with latest industry trends and technologies to provide innovative and cutting-edge practical and technical solutions to clients.

- ☐ Met clients' specific needs by developing scalable, full-stack web applications and implementing IT Solutions and MERN/CodeIgniter frameworks. Kept up to date with latest technologies & methodologies.
- ☐ Achieved impressive GED pass rate of 87% from students by demonstrating exceptional commitment/dedication to academic success for underprivileged students.
- ☐ Ensured seamless integration and optimal functionality of web applications, information technology and software development by conducting thorough analysis and evaluation of clients' requirements.

Oversaw maintenance and administration of the school's online education system, providing unparalleled IT support. Maintained IT infrastructure, ensuring smooth operation and accessibility of technology resources for education program. Interacted with teachers and parents to create a supportive learning environment for students. Provided exceptional mentorship/guidance and technical support to students and staff in troubleshooting and resolving issues in a timely manner.

- Enhanced student learning/comprehension and helped in passing GED test, leading to high school equivalency.
- Managed student records, ensuring accuracy, organization, and protection of sensitive information.
- Streamlined network infrastructure by optimizing online learning experience for students and faculty.
- Resolved a wide range of IT-related problems and minimized disruptions by collaborating with students and staff.

## Education

Masters in Artificial Intelligence conc. Biomedical Engineering – Spring 2025 (4.0) M.S.,

University of North Texas, Denton, TX

Masters in Advanced Data Analytics – December 2025 (3.8),

University of North Texas, Denton, TX

Bachelor of Applied Arts & Sciences in Data Analytics, Administration, & Computer Programming - B.A.A.S Spring 2024 (3.87),

University of North Texas, Denton, TX

Minors in Computer Science and Computer Engineering,

University of North Texas, Denton, TX

Associate of Applied Science in Computer Programming & Web Development Programming SPEC (3.2 GPA Ins. 3.6 GPA Major)

Austin Community College, Austin, TX

## Licenses & Certifications

Advanced Certificate in Full Stack Web Development, University of Texas at Austin, Austin, TX

Certificate in Advanced Data Analytics, University of North Texas, Denton, TX

Programming OSA Certificate, Austin Community College, Austin, TX

CIT Certificate, Austin Community College, Austin, TX

Certificate in Web Development, Austin Community College, Austin, TX

AI/CS Research Program Certificate, University of North Texas, Denton, TX

## Community Engagement

Activist for auto-immune patients and people dependent on opiates

Active in the UNT CS Department

Active open-source contributor to - <https://www.toontownrewritten.com>

Performed Classical Guitar Concerts at large concert venues

Active in community engagement in the Super Smash. Bros Melee Scene

Hosted multiple tournaments as a tournament organizer for the local community and growth

Traveled the U.S competing and coaching players at a top level

Mentor of many in mathematics, computer science and young adolescents

Personally passionate about artificial intelligence in biomedical engineering due to chronic pain