

SURYA SUNKARI

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EDUCATION

The University of Texas at Austin, Austin, TX

May 2025

Bachelor of Science, Computer Science

GPA: 4.00

Relevant Coursework: Data Structures, Computer Architecture, Autonomous Robots, Discrete Math, Linear Algebra, Multivariable Calculus, Probability

SKILLS

Technical/Computer Skills: Advanced JAVA, Python, C, C++, SQL, PHP, HTML, CSS, JavaScript, React, Django

Languages: Intermediate Speaker in Spanish

PROJECTS

- **ROBOT TASK PLANNING SYSTEM** - *Academic Project, Autonomous Robots*
 - Developed an algorithm that harnesses large language models to convert high level prompts given by a user into a series of action plans comprised of lower level steps with a 90% success rate
 - The program interacts with the user through voice input and output, triggered by a specific keyphrase
 - Advanced skills in Python, LLMs, Mathematics, UI/UX, and team collaboration
- **DIGIT IDENTIFIER** - *Personal Project*
 - Developed a neural network from scratch using NumPy that identifies digits 0-9 from a 28x28 grayscale image with data imported from the MNIST database with Python; no PyTorch or TensorFlow was used
 - Compiled knowledge from a variety of fields, such as linear algebra, multivariable calculus, theory behind neural network implementation, and proper programming practices in Python
- **SOCIAL NETWORK** - *Personal Project*
 - Programmed a "social network" that uses file input and output as a database to store login information, send messages, create user accounts, send friend requests, and more, with Java
 - Increased proficiency in programming concepts such as File I/O, encapsulation, OOP, and GUI

EXPERIENCE

Paycom - *Software Development Intern*; Grapevine, TX

May 2023 - Present

- Developed a full stack application that combined Paycom's report builder service with their proprietary encryption API to safely transmit Personally Identifiable Information for both internal and client use
- Maintained unit testing and followed adapter pattern design to ensure that the application can easily be managed in the future using PHP
- Designed a SQL Query Preview page using React to securely view sensitive data that is expected to roll out to more than 36,000 client companies
- Trained and tested in a variety of technologies as PHP, JS, React, Redux, and more.

iHateTestPrep - *ACT Tutor*; Austin, TX

February 2022 - Present

- Consulted 20+ students from all around the United States in the ACT, 200+ hours of tutoring total
- Developed mastery in Math, Science, Reading, and English for the purpose of providing quality ACT mentorship
- Coordinated and organized online tutoring sessions by conforming and adapting to students' schedules

LEADERSHIP & COMMUNITY INVOLVEMENT

UIL Computer Science Club

August 2019 - May 2022

President

- Competed in District and Regional level UIL Computer Science competitions
- Engaged the school community through fundraisers, informational sessions, and social events
- Taught advanced Java concepts that show up on the UIL Computer Science curriculum to fellow students