

Computer science student with a focus on data science and machine learning, experienced in multiple programming languages and problem-solving. Skilled in collaborating with teams to deliver technical solutions, with a strong commitment to continuous learning and professional growth. Proven ability to support others in developing their skills through mentorship and teamwork.

TECHNICAL SKILLS

Programming Languages: C++, Python, SQL, Matlab, Kotlin, Assembly
Software: Visual Studio Code, Eclipse IDE, Unreal Engine, Android Studio, Emacs
Operating Systems: Linux/Ubuntu Server, Windows 10/11, FreeRTOS (researched)
Data Technologies: SQL, Scikit-learn, Pandas, Numpy
Other Skills: Git/GitHub, Bash, PowerShell, Debugging, Technical Writing, Data Visualization, Linux Command Line, Data Analysis, Machine Learning (basic), Cryptography, Cross-Platform Development, Statistics, Problem-Solving, Web Scraping
Experience With: AWS, Google Cloud, Hadoop, Apache Spark, Microsoft Azure, IBM Cloud, PyTorch, Data Science Methodology, Java

EDUCATION

California State University San Marcos - B.S. Computer Science - 3.62 GPA	05/2025
Machine Learning by DeepLearning.AI - Specialization	12/2024
IBM Data Science Professional Certificate - Certificate	11/2024
Google Career Certificate in Cybersecurity - Certificate	06/2024

COURSEWORK

Mobile Programming / Software Engineering / Computer Science / Operating Systems/Statistics / Assembly Language & Digital Circuits/Calculus / Data Structures & Algorithms / Programming Languages / Computer Architecture / Theory of Computing / Intro to Intelligent Information Systems / Cybersecurity / Data Science (Current) / Machine Learning (Current) / Database Systems (Current) / Linear Algebra (Current) / Networking (Current) / Computer Security (Current)

PROJECTS

NutriSnap Desktop App, Programmer (team of 4)	Current
- Developing a food recognition and nutrition app using Java, SQL, and APIs to retrieve USDA data.	
- Designed to provide real-time nutritional information based on camera-based food identification.	
TCP Chat Room Application, Programmer	11/2024
- Developed a Python-based multi-client chatroom using TCP sockets and Tkinter, enabling real-time text/file communication across clients.	
- Implemented server-side broadcasting and client-side image handling to ensure synchronized chat updates and display for all users.	
Tesla and GameStop Stock Data Analysis, Data Analyst	10/2024
- Developed a Jupyter Notebook using Pandas and Plotly to analyze Tesla and GameStop stock and revenue trends, creating visualizations to highlight key financial patterns.	
- Cleaned and structured raw financial data for time-series analysis, identifying trends in historical price and revenue changes.	
Pseudo-Japanese Translator Project, Programmer (team of 2)	05/2024
- Built a parser and translator in C++ using a stack and parsing table for grammar processing and syntax validation.	
- Implemented a DFA-based lexical scanner to tokenize pseudo-Japanese words for syntactic analysis.	

ADDITIONAL EXPERIENCE

STEM Success Center Tutor, California State University San Marcos	10/2024 - Current
- Provide one-on-one help in math and computer science to boost student understanding and confidence in STEM courses.	
- Teach key computer science classes while encouraging critical thinking and hands-on learning techniques.	
Computer Science Teacher, Rock Creek Education Center	01/2023 - 08/2024
- Developed curriculum and taught fundamental programming concepts to K-9 students through interactive projects.	
- Created a supportive learning environment, encouraging exploration in Python and Java programming.	
Tech Lead, Google Developer Student Club (GDSC), CSUSM	04/2024 - 07/2024
- Engaged peers in projects and facilitated participation in development initiatives.	
- Promoted knowledge sharing and skill development within the student community.	
Fulfillment Employee, Target	06/2021 - 08/2024
- Efficiently managed daily tasks, consistently meeting deadlines and productivity targets.	
- Delivered outstanding customer service while supporting fulfillment operations.	
Law Firm Employee, Winet Patrick Gayer Creighton & Hanes	06/2021 - 08/2021
- Ensured accuracy and organization of legal records through precise documentation and transcription.	
- Transported and managed case materials while maintaining confidentiality.	

LANGUAGES

English: Native proficiency	Spanish: Native proficiency	French: Basic proficiency (studied independently)
-----------------------------	-----------------------------	---------------------------------------------------