AUSTIN MIN

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EDUCATION

Santa Clara University, College of Arts and Sciences   Expected Dec 2025
Computer Science, B.S. | Minors: Mathematics, Computer Engineering | GPA: 3.75   *Santa Clara, CA*
Relevant coursework: Data Science, Web/Data Mining, Applied ML, OS, Computer Graphics, Algorithms
Activities: Association for Computing Machinery (ACM), BroncoSec (CTF 2023 1st place), Math/CS Society

EXPERIENCE

Sports Science Data Analytics Intern   Nov 2024 - Present
Santa Clara University Athletics   *Santa Clara, CA*
- Retrieved and processed 1m+ rows of GPS data from Catapult's APIs to generate heatmaps, scatterplots, and other visualizations to discover valuable insights for men's soccer coaching and training staff
- Built 3 ML models to predict match outcomes given game and player statistics from 50+ past matches

Computing Intern   June 2024 - Sep 2024
Lawrence Livermore National Laboratory   *Livermore, CA*
- Constructed a system for FN hires that sends approval requests to managers, processes approvals, and notifies completion of the process automatically using Power Platform, cutting labor by more than 50%
- Innovated the AGA ECM process, adding automated check-in date notifications and data processing using SPO/PA and a custom UI with PowerApps, improving efficiency in the director's office division

Data Analyst Intern   June 2023 - Nov 2023
Trane Technologies   *San Jose, CA*
- Created mass communication system with automatic delivery tracking/status emails to 100+ customers through the ERP system, improving customer connection efficiency and lowering manual effort
- Generated reports for inventory/sales records from company database (100k+ rows) using SQL and Python for data processing/visualization, assisting supply chain management and inventory decisions
- Performed inventory updates and closings through ERP system, assisting the accounting sector

PROJECTS

Pre-Release Movie Ratings Predictor   Oct 2024 - Dec 2024
- Processed 17k+ rows of raw data by using feature selection/evaluation, encoding, and normalization
- Trained 8 ML models on preprocessed data, used visualization methods to decide optimal models, resulting in ~85% accuracy, and tested models on 4 upcoming movies to predict their ratings

Social Network Website   May 2023
- Constructed a UI using Qt framework to implement 10+ display features, increasing user engagement
- Applied friend network, post and comment, and profile functionalities using graph algorithms, polymorphism, and embedded data structures for 100+ model users, augmenting website experience

Fastest Route Calculator Website (INRIX Hackathon)   Nov 12-13, 2022
- Designed a dynamic traffic-mapping website using React and Google Maps API to show current traffic conditions on web page graphically and enable shortest route display and location search functionality
- Architected a fastest route algorithm to a given location using live traffic parameters from INRIX APIs

SKILLS

Languages: Python, C/C++, SQL, HTML, CSS, Javascript, Java, Dart, Luau, Verilog, Assembly, RobotC
Tech/DevOps: Git, GitHub, VS Code, Jupyter, MySQL, React, Flutter, Pandas, Matplotlib, NumPy, Sklearn, Postman, Flask, Docker, Linux, Qt Creator, GitHub Desktop, Vue.js, Three.js, NLP, NLTK, Firebase
Other: Microsoft Power Suite, Notion, CAD, LaTeX, video editing, OBS, breadboarding, soldering, cryptography, steganography, OSINT, encryption, Audacity, FPGAs, 3D printing, CAPMT Piano Level 12