Marshall Taylor

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Education

University of Massachusetts, Amherst   **GPA: 3.98**
Bachelor of Science, Computer Engineering   Amherst, MA
Dean's List: Fall 22, Spring 23, Fall 23   Anticipated Spring 2026
Koren Scholarship / Chancellor's Award

Mohawk High School - Marcola, OR   **GPA: 4.0 unweighted**
Valedictorian - Class Rank: 1   Graduated 06/22

Summary

A driven, well-rounded computer engineering student with proven communication/teamwork skills and experience in a professional software development ecosystem.

Skills/Interests

Technical Skills: Javascript, Typescript, React.js, Python, Flask, C, SQL, MATLAB, HTML/CSS, AWS, Swift
Soft Skills: Problem solving, task management, agile methodologies, engineering-design process, team skills, self-guided learning, communication
Interests: AI/ML, problem solving, using new technologies for projects, experiential learning, bikes, cars

Relevant Projects:

University Private Forum/Chat App - React.js / Flask / AWS S3 / Postgres / HTML / CSS
Flask API to handle session-based authentication, queries to postgres database, and communication to AWS S3. React frontend for UI, page router, and dynamic routing.
32-bit Multithreading - C / Linux / BeagleboneBlack
Created a C program to set up GPIO/PWM/AIN pins, and collect/store data from a temperature sensor. Using multithreading to load/unload a limited buffer.
Housing Price ML Model - Python
Built a linear-regression model to predict the cost of homes in a given area. Used seaborn/matplotlib to capture correlations within the dataset, and evaluate the MSE of the model.
Personal Portfolio - React.js / Bootstrap / Flask / HTML / CSS
Custom front-end objects developed in React.js, custom contact form using a Flask API to handle requests.
WatchOS CrossFit App - Swift / SwiftUI
Created a WatchOS timer app targeted towards CrossFit– equipped with EMOM/AMRAP timers.

Experience

SWE Intern - SheerID; Eugene, OR - Summer 21'
- Developed new front-end components for SheerID's API, used across the globe by major companies (Amazon, Nike, Youtube, Hulu, etc.)
- Delivered front-end customer facing software solutions for SheerID's UI (new components, debugging features, etc.)
- Solely created a ROI calculating React.js app to be used by potential clients, generating more customers

Robotics Team Manager & Lead Programer - Mohawk High School; Marcola, OR - Fall 18' - Summer 20'
Product Manager and Programming Lead for the robotics team, leading it to place 1st at the state championship tournament– qualifying it for the national, and world championships.
- Oversaw robot progress, led team meetings, aided in task management
- Independently developed autonomous driving routine for the robot
- Developed robot user-control interface: trained the team drivers in the use of the driver-control
- Individual contributor to the robots mechanical design, and construction

Customer Experience Coordinator - TJX Corp; Eugene, OR - Spring 21' - Fall 22'
- Managed customer service across all front-end associates
- Managed cash drawer