

# Marshall Taylor

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## Education

### University of Massachusetts, Amherst

Bachelor of Science, Computer Engineering; Anticipated Fall 2025/Spring 2026  
Dean's List

**GPA: 4.0**

Amherst, MA

### Mohawk High School

Valedictorian - Class Rank: 1  
Varsity Football/Basketball/Baseball  
Robotics/Game Dev Team/Student Council

**Graduated 06/22**

**GPA: 4.0 unweighted**

Marcola, OR

## Summary

A driven, hard-working, fast learning, and well-rounded computer engineering student with great communication/teamwork skills, experience in software development, and an interest in full-stack development.

## Skills/Interests

**Technical Skills:** Javascript, Typescript, React.js, Python, Flask, SQL, HTML/CSS, AWS, C#

**Soft Skills:** Problem solving, task management, agile methodologies, engineering-design process, team skills, self-guided learning, communication

**Interests:** Problem solving, using new technologies to pursue projects, experiential learning, leaving comfort zone, bikes, cars, and the outdoors

**Relevant Classes** Digital Systems, Intro to Python, Intro to ECE, Calc 1, Physics 1, Calc 2, Physics 2

## Experience

### SWE Intern - SheerID; Eugene, OR - Summer 2021

- 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 Programmer - Mohawk High School; Marcola, OR - 09/18:06/20

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 championship competitions.

- Oversaw robot progress, led team meetings, aided in task management
- Solely 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

### CNC Lab Manager - Mohawk High School; Marcola, OR - 09/21:06/22

Managed the use, maintenance, and materials for CNC equipment such as: 3D printers, laser engravers, vinyl cutter/printers, CNC routers, and plasma cutters.

- Trained students/staff on the use of the equipment
- Designed, and machined a laundry-list of items for school administration, student council, FFA, school charity auctions, and more.

## Relevant Projects:

### Stock Sentiment Analyzer - Python

Powered by mention frequency on Twitter, sentiments derived from likes, and retweets

### ROI Calculator - React.js

Calculated company ROI when using SheerID, visually displaying the values via reactive graphs

### University Private Forum/Chat App (in progress) - React.js / Flask / AWS S3 / Postgres

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.