

Marshall Taylor

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Education

University of Massachusetts, Amherst

Bachelor of Science, Computer Engineering
Dean's List

Anticipated 05/26

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, engineering-design process, team skills, self-guided learning, communication

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

Relevant Classes 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, altered 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

Flask API to handle session based auth, queries to database, and communication to AWS S3. React frontend for UI, page router, and dynamic routing.