

# William Uvlin

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## EDUCATION

### Ohio State University

Columbus, Ohio

B.S. in Computer Sciences and Engineering, and Mathematics;

o GPA: 3.70

Expected, May 2026

o **Coursework:** Data Structures & Algorithms, Operating Systems, Statistical Modeling, Low-Level Programming

## EXPERIENCE

### Marathon Petroleum

San Antonio, Texas

Software Engineer Intern

May 2025 - Aug 2025

- Refactored backend services in an Agile team using Entity Framework Core and the Repository Pattern for xUnit tests, and implemented middleware for automated API health checks, enhancing system reliability and response time.
- Independently built a full-stack Blazor dashboard that integrates with Azure DevOps, Snyk, and SonarQube REST APIs to visualize CI/CD, code quality, and security metrics, improving development insight across teams
- Won 1st place in the company hackathon by designing a full-stack ticketing system for drone missions using SQL Server Management Studio, C#, Blazor, and CSS, streamlining task assignment and real-time field coordination

### J.M. Smucker Co.

Orrville, Ohio

Software Developer Intern

May 2024 – Aug 2024

- Developed a detailed inventory management system using complex SQL queries to track and maintain machine parts data across multiple nationwide manufacturing plants, ensuring high accuracy and real-time updates.
- Created and optimized SQL scripts to facilitate the rapid identification and intra-company transfer of machine parts, minimizing downtime and reducing operational costs by eliminating the need for external procurement.
- Automated the reporting process with advanced SQL functions, enabling swift decision-making for part transfers or purchases, thereby enhancing overall efficiency and cost-effectiveness in response to machine breakdowns.

### Orbytel Printing and Packaging

Garfield Heights, Ohio

Software Developer Intern

May 2023- Aug 2023

- Designed a system for dynamic scheduling, resource allocation, and real-time tracking.
- Connected the system with ERP and printer APIs for smooth data flow and accurate updates.
- Implemented error detection, automatic resolution, and multi-channel notifications to reduce downtime.

## PROJECTS

### Gender Recognition Application

Python, Flask, OpenCV, scikit-learn, NumPy, Pickle, matplotlib, pandas

- Trained gender classification ML model with OpenCV for face detection and scikit-learn PCA/SVM for high accuracy.
- Deployed Flask app with custom SVM for real-time gender prediction, using OpenCV for precise facial analysis.

### Today I Learned

Javascript, React, HTML, CSS, Supabase API, Netlify

- Built full-stack "Today I Learned" app with React hooks, Supabase, and Postgres for a scalable real-time backend.
- Optimized Supabase API CRUD with indexing/query tuning for fast data retrieval and smooth user content flow.

### Stock Market Web App

Python, Django, RESTful API, Tiingo API, CSS

- Built Django app with RESTful endpoints, async fetching, caching, and IEX Tiingo API for real-time market data.
- Styled responsive frontend in CSS to visualize JSON stock data live, creating clear charts for user insight.

## LEADERSHIP

### Ohio State Rock Climbing Team

Columbus, Ohio

President

Jan 2024 - Current

- Plan cross-country climbing trips for 100+ students, ensuring smooth logistics, safety, and 95% member satisfaction.
- Led fundraising to secure \$3,000+ in sponsorships and donations, boosting financial stability and club opportunities.

## SKILLS

**Certifications:** AWS Certified Cloud Practitioner

**Languages:** Java, Python, C#, C, C++, HTML/CSS, JavaScript, SQL(MySQL, Oracle, Postgres), Swift

**Developer Tools and Technologies:** Git, Docker, Visual Studio, VS Code, Jupyter Notebook, .Net, React, Xunit, Entity Framework

**Libraries:** pandas, NumPy, Matplotlib, Selenium, OpenCV