

Dylan McClellan

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EDUCATION

Lehigh University, Bethlehem, Pennsylvania

Bachelor of Science in Computer Science and Engineering

Graduation: May 2027

GPA: 3.64

Honors: Upsilon Pi Epsilon, Donald and Dorothy Stabler Scholarship

Coursework: Software Engineering, Design and Analysis of Algorithms, Web Systems Programming, Systems Software, Programming Languages, Data Structures, AI Game Programming, Operating Systems Design, Calculus I–III

WORK EXPERIENCE

Atlassian Intern – Rolka Loube

June 2025 – Present

Harrisburg, Pennsylvania

- Developed an interactive organizational chart using **Atlassian Forge**, **JavaScript**, and **React**, deployed on Confluence and actively used by HR to visualize teams, roles, and reporting structures
- Designed screens/schemes using **Python** and **Jira APIs** to improve Jira usability across departments
- Built **Jira automations** for monthly tasks, owner alerts, and escalation to boost on-time completion
- Documented custom code, automation rules, and workflows to improve clarity, consistency, and maintainability

Full Stack Developer Volunteer – Hungry Hawks

January 2025 – Present

Bethlehem, Pennsylvania

- Collaborated with a cross-functional team to develop Hungry Hawks, a web-integrated mobile app that reduces food waste on college campuses, with over 4,000 users accessing more than 1,200 leftover food events
- Contributed to the **C#/.NET 8** backend, implementing **REST APIs** and service-layer logic within an **MVCS architecture** to enable seamless integration with the **Flutter** frontend
- Designed and documented a multi-university push notification system, reworking **Firebase Cloud Messaging** to deliver real-time updates by campus and event, and authored an engineering report outlining the solution
- Dedicated 10+ hours per week participating in Agile development cycles, including sprint planning, GitHub version control, and code reviews to ensure clean, maintainable code

PROJECT EXPERIENCE

ValleyGuard – Full-Stack Developer

November 2023 – Present

Full-stack web application originally created during the Leh-Laf Hackathon

- Led backend development within a team of four, building a serverless architecture with **AWS Lambda**, **API Gateway**, and **DynamoDB** for real-time data collection, processing, and retrieval
- Integrated **AWS Location Services** to display live incident reports on an interactive map interface
- Reengineered the frontend using **React** and **Tailwind CSS** for modular design and responsive UI performance

LU360 Advising Tool – Backend Developer

January 2025 – June 2025

Full-stack web application built as part of a paid work-study position at Lehigh University

- Led backend development within a team of three, designing the **Azure SQL database** schema (Users, Students, Programs, Recordings, Q&A)
- Built a secure **Python Flask REST API** with **Auth0 OAuth 2.0** authentication for protected user access
- Assisted in frontend development, refining **React** components for student management and meeting summaries
- Deployed the containerized backend to **Render** using **Docker** for reliable production hosting

SKILLS

Languages: C#, Python, JavaScript/TypeScript, Java, C++, HTML, CSS

Frameworks/Tools: React, Node.js, AWS DynamoDB, AWS Lambda, Azure, Git, Linux/UNIX, PostgreSQL, Docker

ACTIVITIES

Lehigh 360 Full-Stack Web Developer

August 2024 – Present

CompSci in Bethlehem and Lehigh Ski/Snowboard Club

August 2023 – Present