

## Brady Osburn

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### EDUCATION

**Western Governors University** - *Bachelor of Science, Software Engineering* Expected Graduation: June 2026

- **Relevant Coursework:** Web Development, Network and Security, Scripting and Programming, Version Control, Database Management, Software Engineering
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### SKILLS

- **Programming Languages:** Python, Java, C++, HTML, CSS, SQL, JavaScript
  - **Databases:** MySQL
  - **Version Control:** Git
  - **Operating Systems:** Windows, macOS, Linux
  - **Tools:** VS Code, Visual Studio
  - **Concepts:** Object-Oriented Programming (OOP), Data Structures, Algorithms, IT Service Management (ITSM)
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### PROJECTS

**C++ Student Roster System** | Academic Project (WGU Scripting and Programming Applications)

- Developed a C++ application to manage student roster data, simulating a system migration scenario according to detailed requirements.
- Designed and implemented Student and Roster classes using Object-Oriented Programming (OOP) principles.
- Implemented functionality to parse formatted string data, dynamically create Student objects, and manage them using an array of pointers.
- Developed methods for adding, removing, and querying student data, including data validation (e.g., email format checks) and calculations (e.g., average days in courses).

- Managed dynamic memory allocation and deallocation effectively using class constructors and destructors.
- Utilized C++ and Visual Studio IDE for development and debugging.

### **CRM System Solution Proposal | Academic Project (WGU Software Engineering)**

- Acted as Project Lead in an academic setting to analyze requirements for a web-based CRM system for a fictional company.
- Authored a comprehensive solution proposal outlining system purpose, problem analysis, goals, scope, prerequisites, and a proposed technical environment (AWS, Python back-end, JavaScript front-end).
- Evaluated Agile and Waterfall software development methodologies, recommending Agile with justification based on the project's need for flexibility and iterative development.
- Designed system representations including a sales process Flowchart and a UML Use Case Diagram detailing interactions for Sales Representative, Manager, and Admin roles.
- Developed a detailed test plan outlining test cases (preconditions, steps, expected results) for key functional areas: sales tracking, reporting, and role-based access control.
- Utilized diagramming tools and Microsoft Word for documentation and design artifacts.

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### **CERTIFICATIONS**

- ITIL® 4 Foundation - PeopleCert - February 2025

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### **WORK EXPERIENCE**

#### **Walmart - Adrian, MI Cart Attendant June 2022 – April 2025**

- Maintained parking lot cleanliness and organization by efficiently collecting and storing shopping carts.
- Ensured a safe and accessible environment for customers in various weather conditions.
- Demonstrated reliability and consistent attendance during employment tenure.