Nathan Burns

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EDUCATION

University of Cincinnati Expected Graduation: May 2026

Bachelor of Science, Information Technology | Masters: Business Administration

- GPA: 4.0
- Track: Software Application Development
- Minor: Computer Science
- Relevant Coursework: Contemporary Programming, Computer Programming ll, Data Structures, Computer Science l, Web Game Development, Fund. of Web Development, Database Management l and ll, System Administration, Computer Networking, Info Security & Assurance, and Human Computer Interaction

Lakota West High School August 2017-May2021

- GPA: 3.98
- National Honor Society, State Champion: Cross Country / Track and Field
- Relevant Coursework: AP Computer Science A/Principles, AP Calculus BC, Principles of Engineering

SKILLS

Programming Languages: Java, Python, C#, C++, SQL, JavaScript, HTML, CSS
Frameworks: .NET Core, ASP.NET Core, Entity, Java Swing, JUnit
Operating Systems: macOS, Windows, Linux
Software: Git, Postman, SSMS, HeidiSQL, Azure Data Studio, Perforce, Docker, Jira, Wireshark, Packet Tracer

EXPERIENCE

QA Software Tester Co-op May 2022-August 2022

London Computer Systems

- Tasked with developing and executing detailed test cases on software updates to our company's product
- Utilized HeidiSQL to gather and analyze data, effectively updating and maintaining multiple databases
- Collaborated with dev teams to complete over 80 tests, contributing to the successful implementation of software updates

PROJECTS

Web API December 2022

- Developed a Web API using ASP.NET, comprising of 4 distinct controllers and utilizing Entity Framework Core to seamlessly connect to a database. Used NSwag library to view each controller and its actions.
- Implemented CRUD operations for each controller, ensuring seamless handling of all HTTP requests

Binary Search GUI May 2022

- Developed a custom Binary Search algorithm to efficiently locate a string in an array and returned its position
- Facilitated user input of a series of strings, sorting them in ascending order for optimal searchability
- In cases where the requested string was not present in the array, the algorithm provided the position it would occupy if it were present, thus allowing for more efficient future data input

Ski Mountain Vacation Website October 2021-December 2021

- Designed and built a website using HTML, CSS, and JavaScript, incorporating animations and interactive features
- Conducted research on ski resorts across the US and gathered data to assist individuals in selecting suitable ski packages

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SUMMER 2023 CO-OP/INTERN AVAILABILITY