

# Nathan Burns

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## EDUCATION

### University of Cincinnati

Expected Graduation: May 2026

Bachelor of Science, Information Technology – Software Development | Masters: Business Administration

- GPA: 4.0
- Minor: Computer Science
- Relevant Coursework: Contemporary Programming, Computer Programming II, Data Structures, Computer Science I Web Server App Development, Web Game Development, Fund. of Web Development, Programming Languages Database Management I and II, System Administration, Management in Information Technology

## SKILLS

**Programming Languages:** Java, Python, C#, C++, TypeScript, JavaScript, HTML, CSS, SQL

**Frameworks:** .NET Core, ASP.NET Core, Entity Core, Angular, Phaser, Java Swing, Junit, JavaFX

**Software:** Git, Postman, SSMS, HeidiSQL, Azure Data Studio, Perforce, Docker, Jira, VS Code, Visual Studio

## EXPERIENCE

### Software Developer Intern

May 2023-August 2023

London Computer Systems

- Contributed to the development of our flagship product, *Rent Manager Express*, a web app for property management.
- Developed the frontend using the **Angular** framework, implemented backend functionality using **C#** and **ASP.NET**, and utilized **MySQL** and **HeidiSQL** for efficient database management. Successfully completed over 25 tickets during the term.
- Updated our 'CAM Reconciliation' page enabling users to compare CRE with tenant charges, ensuring accurate billing.
- Implemented the 'Tenant Listbox' page for customers' personal preferences, allowing users the ability to personalize the info displayed in tenant listboxes.

### QA Software Tester Intern

May 2022-August 2022

London Computer Systems

- Responsible for developing and executing detailed test cases on software updates to our company's product.
- Utilized **HeidiSQL** to collect 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 in **SQL Server**. Used the **NSwag** library to view each controller and its actions.
- Utilized **Postman** to implement CRUD operations for each controller, ensuring seamless handling of all HTTP requests.

### Endless Runner Game

April 2023

- Developed a 2D web-based game using **JavaScript** and the **Phaser** framework.
- Integrated **Geolocation** and **Weather APIs** to retrieve real-time data.
- Dynamically modified the game's appearance based on the fetched data.

### Automated Sports Text Script

July 2023

- Developed a **Python** script to interact with the **ESPN API** for retrieving daily sports information.
- Integrated the **Twilio API** to send automated text messages containing sports updates.
- Configured a **Raspberry Pi** and **Crontab** to work as a dedicated server to host and run the script daily.

### Student Scores GUI

November 2022

- Developed a **.NET Core** gradebook application using **Entity** for database connectivity, handling students' info and grades.
- Implemented seamless navigation and CRUD functionality for student operations through encapsulated forms.

## SUMMER 2024 CO-OP/INTERN AVAILABILITY