Nathan Burns

burnsnr@mail.uc.edu | (513) 404-4345

nathanburns.dev | linkedin.com/in/nathan-burns-717802170 | github.com/NathanBurns3

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: Data Structures, Contemporary Programming, Computer Programming ll, Programming Languages
  AI Principles & Applications, Web Server Development, Mobile Device Programming, Web Game Development
  Fund. of Web Dev, Database Management l and ll, System Analysis & Design, System Administration, Management in IT

SKILLS

Programming Languages: C#, Python, Java, C++, TypeScript, JavaScript, HTML, CSS, SQL
Frameworks: .NET Core, ASP.NET Core, .NET MAUI, Entity, Bootstrap, Xamarin, Angular, Tailwind CSS, Phaser, Junit, JavaFX
Software: Git, Postman, SSMS, HeidiSQL, Azure Data Studio, Perforce, Docker, Jira, VS Code, Visual Studio, Azure DevOps

EXPERIENCE

London Computer Systems

Software Developer Intern   May 2023-August 2023
- Contributed to the development of our flagship product, *Rent Manager Express*, a web app for property management.
- Led frontend development utilizing the **Angular** framework, executed backend functionality using **C#** and **ASP.NET**, and implemented efficient database management through **MySQL** and **HeidiSQL**. Successfully completed 25+ tickets.
- Collaborated in an **Agile** environment, actively participating in daily stand-up meetings, sprint planning, and iterative development to deliver high-quality features and enhancements on time.
- Transformed our 'CAM Reconciliation' page enabling users to compare CRE with tenant charges, ensuring accurate billing.
- Implemented the 'Tenant Listbox' page, enabling users the ability to personalize the info displayed in tenant listboxes, enhancing user experience.
- Developed a 'CAM Expense Adjustments' report with versatile display options for tenant-based CAM cost allocation.

QA Software Tester Intern   May 2022-August 2022
- 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 80+ tests, contributing to the successful implementation of software updates.

PROJECTS

Automated Sports Text Script   July 2023
- Developed a **Python** script to interact with the **ESPN API** for retrieving daily sports data and rigorously tested with **Postman**.
- 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.

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 which dynamically modified the game's appearance.

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 implemented CRUD operations for each controller, ensuring seamless handling of all HTTP requests.

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