

Colin Walsh

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EXPERIENCE

Software Engineer II

Apr 2024 – Present

Software Engineer

Jul 2022 – Apr 2024

Alarm.com

Tysons, VA

- Design new services which provide greater visibility and promote user retention.
- Scope necessary additions to existing services, integrate with monolithic legacy codebase.
- Develop parallel lanes of work for a project to minimize blockers and timelines.
- Coordinate with management/stakeholders, organize demos/syncs for projects.
- Advocate integration of new technology, adoption of better accessibility practices.
- Bridge knowledge gaps in legacy services, create documentation.

Undergraduate Teaching Assistant

Aug 2019 – May 2022

University at Buffalo

Buffalo, NY

- Assisted in the teaching of Introduction to Computer Science I (CSE115).
- Conducted laboratories for 10-30 students two/three times a week.
- Guide students through recitation workshops in small classroom settings.
- Hosted office hours to assist upwards of 15 students.

Software Engineering Intern

May 2021 – Jul 2021

Alarm.com

Virtual / Tysons, VA

- Developed a web application to display device history graphically.
- Coordinated with software engineers, project management, and UX to facilitate changes.
- Created back-end API unit tests, and front-end acceptance/integration tests.
- Researched, implemented and documented alterations to the build.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, C#, Python, SQL, Go, Sass

Frameworks: Ember.js, .NET, React, Node.js, QUnit, Next.js, Flask

Developer Tools: Git, Jira, Sentry, Bitbucket, SMSS, Docker, Visual Studio

EDUCATION

University at Buffalo

May 2022

Bachelor of Science in Computer Science, Minor in English — Magna Cum Laude (GPA: 3.5)

Buffalo, NY

Relevant Coursework: Web Applications, Applied Human Computer Interaction, Data Structures

PROJECTS

March Mascots | *Next.js, React, TypeScript, HTML/CSS, Git*

Dec 2023

- Developed a static web application that generates images based on user input.
- Built a componentized system that allows for easy manipulation and data substitution.
- Segmented work into isolated, digestible tickets.

Crafting Cannon | *React, JavaScript, Figma, HTML/CSS*

Jan 2022 – May 2022

- Developed the front-end for a platform based around collaborative, community driven writing
- Crafted a responsive site which adheres to WCAG accessibility guidelines
- Conducted Usability and AB tests, and adjusted site according to feedback

LEADERSHIP

CSE Peer Mentor

Aug 2020 – Dec 2020

University at Buffalo

Buffalo, NY

- Touch base with 2 new freshman over the course of the semester
- Field questions about coursework and the Computer Science department
- Guide students towards their passions in the field of computer science