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Emily Blum

Software Engineer

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Summary

Well-trained software engineer college grad looking to get valuable professional experience.

Experience

Software Development Intern, AGE Solutions – Remote June 2026 – present

Helping to develop code for a program in an automation workflow for a federal defense contract.

- Working with a professional team
- Working in a corporate environment

Introductory Computer Science Tutor, PassCS – Fairfax, VA Sept 2025 – May 2026

Part-time position assisting George Mason University students with finding their footing in their computer science journey.

Seasonal Retail Sales Lead, Squishable, Inc – Tysons, VA Nov 2025 – Jan 2026

Served as a retail sales lead for the winter holiday season to manage finances during a career search.

- Assisted customers with product information, purchases, and returns, and troubleshooted technology on-site as necessary.
- Dealt with higher-than-normal workloads due to the holiday season

Office and Classroom Assistant, Fairfax County Public Schools – Lake Braddock Secondary School July 2024 – Aug 2024

- Supported parents and teachers with administrative needs in the office.
- Assisted students with navigating fun and educational science and technology activities in the classroom.

Bartender and Front of House, Pupatella Reston June 2022 – Aug 2022

- Prepared cocktails, poured beverages, and provided customer service.
- Managed front-of-house duties including opening, closing, and serving food well and in a timely manner.

Data Entry, Office of Elections, Fairfax County Government July 2020 – Oct 2020

Processed and deposited absentee ballot application form data for the office of elections.

Information Technology Intern, Department of Information Technology, Fairfax County Government June 2019 – Aug 2019

Assisted the Department of Information Technology at the Fairfax County Government Center

- Assisted with county-wide hardware updates and transfer of secure user data from old machines to new machines.
- Helped complete user tickets around the Government Center.

Education

George Mason University, BS in Applied Computer Science (Software Engineering) Jan 2022 – May 2025

Northern Virginia Community College, AS in Computer Science Aug 2019 – Dec 2022

Volunteering

Website Manager and Live Show Tech Team, The Unscripted Theatre July 2023 – present

Manages web presence and provides technical support for live shows and online streaming.

Software Lead and Coach, First Tech Challenge Team 7729 Aug 2015 – Mar 2020

Led and coached the software division of the student robotics team at South Lakes High School.

Skills

Languages: Python, Java, JavaScript, HTML, CSS

Frameworks: Spring Boot, Thymeleaf

Competencies: Software Engineering, Web Development, Networking, Distributed Systems, Machine Learning, Data Analysis

Tools: Microsoft Word, Microsoft Excel, Autodesk Inventor

Projects

Product Feedback System, Software Engineering Class Project

Multifaceted team project involving several systems. My primary work was on a REST-based data store and a filtered data aggregate view.

- Working with a development team
- Agile development process

Awards

Virginia State Control Award – First Tech Challenge Feb 2019

- Awarded for novel autonomous sensor systems including gyroscopic turning and visual collision detection.

Languages

English: Native speaker

French: Moderate/low proficiency

References

Professor John Otten

Computer Science Professor at George Mason University. Email: jotten2@gmu.edu

Ivy Hutton

Professional Colleague. Phone: 706-505-3422