

Evelyn Brannen

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OBJECTIVE

Honors Computer Science senior with backend development experience from two software engineering internships. Graduating with bachelor's in December 2024, seeking a 2025 summer internship while completing master's.

EDUCATION

B.S. Computer Science	Expected Dec 2024	M.S. Computer Science	Expected Dec 2025
Arizona State University, Tempe, AZ	GPA: 4.00	Arizona State University, Tempe, AZ	
Barrett, the Honors College			

TECHNICAL SKILLS

Programming Languages: C#, Java, C++, C, HTML/CSS, SQL, Swift, Javascript

Tools & Software: Azure DevOps, Git, API Integration, Unit Testing, .NET Framework, SQL Server, Kubernetes, React Native, Firebase, Unity, Windows/MacOS

WORK EXPERIENCE

AVEVA - R&D Software Development Intern May 2024 - Aug 2024

Self-selected and resolved existing backlog items in collaboration with a team of 11 developers and senior engineers, mainly using C#.

- Designed and implemented a system health check and telemetry service for 3 critical background services, improving reliability and reducing downtime risk. Employed **C#**, **API integration**, and **JSON** formatting, achieving 88% test coverage.
- Added authorization to a "GetAll" endpoint while optimizing task execution using asynchronous tasks, and implemented error logging while resolving race conditions and handling aggregate exceptions.
- Gained hands-on experience with **Kubernetes** and related tools including **Minikube** and **OpenLens**, developing a foundational understanding of container orchestration and deployment practices.

AVEVA - R&D Software Development Intern May 2023 - Aug 2023

- Improved application performance by migrating a critical method DeleteSignupsAsync from **Entity Framework Core** to **SQL stored procedures**, achieving an estimated 30% reduction in query execution time.
- Implemented comprehensive unit tests using **tSQLt**, resulting in a 40% increase in code coverage.
- Refactored 3 obsolete **API** endpoints, resulting in increased readability of the codebase and improved overall efficiency.

Desk Assistant/Event Planner - Fulton Schools Career Center Jul 2022 - Present

- Deliver timely responses to a wide range of career-related inquiries from students and employers via phone and email.
- Send weekly newsletter to 60,000+ Fulton Engineering students regarding career development and employer events.

TECHNICAL PROJECTS

DocYou LLC Mobile Application: Cofounder, Backend Developer Aug 2021 - Present

- Developing a **React Native** mobile app that improves documentation efficiency for 50+ medical residents, in partnership with Phoenix Children's Hospital.
- Leveraging **Firebase** for real-time data management and secure user authentication.
- Designed initial **Figma** prototypes that secured \$16,000 in funding from participation in competitive pitch competitions.

3D Analytics Machine Learning Environment (Capstone Project) Jan 2024 - Present

- Utilizing **Unity** and **C#** scripts to develop an interactive 3D learning environment to explore simple supervised machine learning algorithms such as binary classification.
- Implementing visualizations to help students understand algorithmic outcomes by interacting with text-based datasets in a user-friendly 3D space.

Book Tracking Mobile App (Class Project) Apr 2023

- Developed a **Swift**-based mobile app for iOS using **MVVM** architecture and CoreData for book tracking, enabling users to log, rate, and review books while sorting and organizing collections efficiently, utilizing **Web API** calls to fetch book information.
- Participated in a poster showcase to gain feedback from over 60 peers and 20 industry professionals.

LEADERSHIP EXPERIENCE

Vice President of Internal Affairs: Women in Computer Science Aug 2023 - Present

- Organize meetings twice a week involving technical workshops, guest speakers, socials, and mentorship programs, with a sponsorship budget of over \$20,000.
- Hosted an annual programming competition with over 100 attendees and 5 industry sponsors.
- Led recruitment efforts during ASU's welcome week, resulting in a record turnout of 110 people at the first meeting.