

# ARI Q BAILEY

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## EDUCATION

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University of Maryland Honors College, Presidential Scholarship, Cum Laude  
B.S. Computer Science, Cybersecurity Minor, GPA: 3.93  
College Park, MD  
Graduated May 2023

## SKILLS

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**Languages:** C#, SQL Server, Typescript, SvelteKit, Python, Java, JavaScript, HTML, CSS, Linux, Unix

## TECHNICAL EXPERIENCE

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**CoStar Group (Financial Data Services Team)** Washington, D.C.  
*Software Engineer I* Sep 2024-Present

- Contribute to a 500% increase in revenue generated through payment processing
- Spearhead the reconciliation of Stripe and Enterprise data, ensuring financial accuracy and seamless integration across systems
- Mentor associate through complex projects, improving team productivity and knowledge transfer

*Associate Software Engineer* July 2023-Sep 2024

- Built Stripe eCommerce platform for \$28B company, facilitating secure payments at scale
- Led the SEPA payments integration, upgraded the Stripe SDK, and architected APIs (C#/SQL) to provide subscription data for Homes.com and LoopNet teams
- Enhanced platform stability with Python integration testing, ensuring smooth operation for a high-traffic environment

*Technology Intern* Summers 2021 and 2022

- Extended a C# engine for translating JSON to Elasticsearch DSL, enabling advanced search functionalities to improve financial data access
- Added support for boost values, nested queries, and boolean operators, increasing data retrieval speeds by 60% compared to previous join-heavy SQL queries
- Developed secure C# endpoints for contract upload/download integrating JWT authentication
- Created an Angular/C# utility utilizing Adobe Sign API, displaying information for 10,000+ users, and maintained OAuth access token hydration with a singleton service

**Itus AI (itus.ai)** Washington, D.C.  
*Chief Technology Officer, Co-Founder* October 2023-Present

- Developing organizational AI platform for small to medium sized businesses with 400 users
- Lead full-stack development leveraging SvelteKit, OpenAI, Pocketbase, and cloud deployment
- Architecting solutions using LLMs, RAG, and Agentic frameworks

**Iribe Kiosk – Human Computer Interaction** College Park, MD  
*Homepage Designer* Aug 2021 – Dec 2021

- Designed and prototyped kiosk with interactive map, nav, and event info for Computer Science building
- Refined kiosk functionality and interface through field research, surveys, and testing studies

**Attacker Honeypot Research Project** College Park, MD  
*Team Member* Jan 2021 – May 2021

- Devised and implemented experiment to analyze hacker behavior due on time of day
- Scripted a self-regenerating honeypot environment using a man-in-the-middle server to capture attacker keystrokes and study their actions

## LEADERSHIP EXPERIENCE

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**Eagle Scout** Aug 2019

- Led community park revitalization working with scouts, adults, and local government

**Delta Upsilon, Recruitment VP** Dec 2020 – Nov 2020

- Facilitated recruitment for two semesters, replacing 1.5x the members aging out, built a dependable recruitment committee, ran outreach events and communication workshops