

ARI Q BAILEY

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EDUCATION

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

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

TECHNICAL EXPERIENCE

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

- Creating organizational AI platform with for small to medium sized businesses with 60+ users.
- Full-stack development leveraging SvelteKit, Typescript, OpenAI API. Cloud deployment with PocketBase as a BaaS and Dokku as a PaaS.

CoStar Group (Financial Data Services Team) Washington, D.C.
Associate Software Engineer July 2023-Present

- Build and maintain Stripe eCommerce platform with \$10MM annual subscription revenue.
- Updated Stripe C# SDK to current version while maintaining functionality.
- Devised python integration testing to ensure platform stability.

Technology Intern June 2022 - Aug 2022

- Extended C# engine that translates simple JSON to complex Elasticsearch DSL queries
- Created generic method using a lambda expression parameter for searches with multiple fields
- Introduced support for boost values, nested queries, and complex use of Boolean operators
- Drastically increased company-wide financial data access speed

Technology Intern June 2021 - Aug 2021

- Wrote C# API endpoints for contract upload and download secured by JSON Web Token
- Built Angular/C# utility with EchoSign API displaying info for 10,000+ users and implemented singleton service to maintain OAuth access token hydration
- Created React components for user stories

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

- Designed and prototyped kiosk for use in campus Computer Science building
- Iterated and researched to determine and refine kiosk functionality and interface through field research surveys and testing studies
- Developed homepage with interactive map, nav, and event info using HTML, Bootstrap and JS

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

- Conceived and constructed experiment to study changes in hacker behavior due to time of day
- Scripted a self-regenerating “honeypot” environment to attract attackers with a man-in-the-middle server, recording their keystrokes to study what they do once inside
- Extracted and analyzed data for a research report using Unix command line tools

LEADERSHIP EXPERIENCE

Delta Upsilon, Vice President of Recruitment Dec 2020 – Nov 2021

- Facilitated recruitment for two semesters with 150% rate of replacement, built a dependable committee, ran outreach events and communication workshops

Boy Scouts of America, Eagle Scout Aug 2019

- Led community project by working with scouts, adults, and local government to create and mark trails, sign, and bench in Millstone Preserve West for Eagle Scout project