

Alanna Pasco

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EDUCATION

Northeastern University

M.S. Computer Science - GPA 3.88

B.A. International Affairs

May 2023

Aug 2020

TECHNICAL SKILLS

Expert: Java, Python, Typescript; **Proficient:** C; **Prior Experience:** HTML/CSS/Javascript, Kotlin

Tools: AWS; DevOps; Cloud Computing; Scalable Distributed Systems, GraphQL; Django; Android Studio

PROFESSIONAL EXPERIENCE

Amazon Web Services - Elastic File System (EFS)

New York, NY

Software Development Engineer

July 2023 - Present

- Collaborated on designing SMB protocol support and independently implemented a key API to enable its functionality.
- Owned expanding API integration test coverage by 54%: Redesigned, optimized integration test infrastructure leading to enhanced global reliability and performance validation.
- Led UX/UI design and implementation for multiple complex, pre-release API features requested by major clients, covering visual design, error handling, CLI flags, and documentation.
- Refined authorization management to support cross-account replication; Conducted deep dives into internal auth mechanisms, ensuring secure integration and compliance. Leveraged andon cord for safe, controlled deployment.
- Automated the new region build process, reducing deployment time and operational overhead.

Software Development Engineer Intern

Sept 2022 - Dec 2022

- Reduced customer-impacting failures by designing, implementing dynamic configuration for canary tests.
- Introduced environment-dependent workflow enabling; Mitigated canary false alarms; Wrote Python automation script.

Chewy - Pet Health Engineering, PracticeHub Clinical App

Boston, MA

Fullstack Engineer Intern

Jan - Jun 2022

- Identified and solved critical data integrity issue; Liaised with relevant teams to detect and resolve data mutation at its source; enhanced system reliability and ensured accurate data processing moving forward.
- Accelerated onboarding of 4+ full-time hires by composing 20+ pages of technical training documentation in a self-started initiative to reinforce team knowledge with targeted guides, architecture diagrams, and dev resources.
- Applied cognitive, visual, and motor enhancements to iOS, Android apps in self-started initiative to perform accessibility audit, strengthening resilience, usability of the PracticeHub app. Used MixPanel to assess outcome.

Apple Inc.

Cambridge, MA

Specialist

Oct 2014 - May 2016

- Matched customers to product solutions by probing for needs, maintaining extensive knowledge of Apple products
- Fostered sense of inclusion by speaking to customer experience levels on the fly and breaking down complex subjects

LEADERSHIP

Microsoft Technology Education and Literacy in Schools - Volunteer, Revere High School.

Sep 2022 - May 2023

- Expanded students' career horizons via curriculum development, classroom lecturing, and coordinating guest speakers

Khoury College Masters Student Council - Treasurer & Workshop Engagement

Jan 2021 - May 2023

- Designed and presented hands-on personal website building workshop to 20+ grad students each semester

ACADEMIC PROJECTS

Android Dog Walking App - Java, Android

Summer 2021

- Collaborated with team of 5 as lead backend engineer of Android dog care app for tracking walks, setting care reminders
- Leveraged Firebase Realtime Database; Minimized latency with utility to put/fetch data from Firebase in parallel thread

AI Game Server - Java

Fall 2020

- Pair programmed a scalable client-server gaming system to which hackers connect AI players to compete in tournaments
- Articulated and defended design choices in three code walks in front of class of 50 students
- Developed AI player API and composed detailed protocol documentation for the API