Alanna Pasco

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EDUCATION

Northeastern University
M.S. Computer Science May 2023
Relevant Coursework: Operating Systems; Software Vulnerabilities and Security; Algorithms; Object-Oriented Design; Android Mobile Development; Human-Computer Interaction, Foundations of Programming Languages
GPA: 3.88

B.A. International Affairs Aug 2020

TECHNICAL KNOWLEDGE

Expert: Java, Kotlin; **Proficient:** Typescript, Python, C; **Prior Experience:** HTML/CSS/Javascript
Tools: AWS; DevOps; Infrastructure as Code; GraphQL; PostgreSQL; Postman; Django; Android Studio; UX/UI

PROFESSIONAL EXPERIENCE

Amazon Web Services - Elastic File System (EFS) *Boston, MA*
Software Development Engineer Intern Sept 2022 - Dec 2022
• Reduced customer-impacting failures by designing, implementing dynamic configuration mechanism for canary tests
• Limited the creation of unused resources by developing unique configurations for canary deployment to select regions
• Mitigated canary false alarms via more robust test sets, instant config update/deployment, and robust config validation

Chewy - Pet Health Engineering, PracticeHub Clinical App *Boston, MA*
Fullstack Engineer Intern Jan - Jun 2022
• Solved data integrity bug which mutated the IDs of a particular subset of prescriptions midway through RX approval user flow; Liaised with relevant adjacent teams to detect and resolve data mutation at its source
• Strengthened communication between stakeholders by implementing storage, retrieval, and display of prescription IDs
• 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 and Android apps in self-started initiative to perform accessibility audit and strengthen resilience and usability of the PracticeHub app; used MixPanel to assess outcome

Khoury College of Computer Sciences, Northeastern University *Boston, MA*
CS 4500 Software Development Teaching Assistant Sept - Dec 2021
• Critically reviewed code in students' chosen programming language; delivered constructive system design feedback
• Empowered students to be resourceful by guiding them to discover their own answers to their questions

Apple Inc. *Cambridge, MA*
Specialist Oct 2014 - May 2016
• Matched customers to product solutions by probing for their needs, maintaining extensive knowledge of Apple products
• Fostered sense of inclusion, refined adaptive communication skills by speaking to customer experience levels on the fly

LEADERSHIP EXPERIENCE

Microsoft Technology Education and Literacy in Schools - Volunteer, Revere High School Sept 2022 - Present
• Expand students' career horizons via curriculum development, classroom lecturing, and coordinating guest speakers

Khoury College Masters Student Council - Treasurer & Workshop Engagement Jan 2021 - Present
• 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
• Accelerated time by pre-planning strong data architecture; managed app data in Firebase Realtime Database
• Minimized UI latency by creating utility to put and fetch data from Firebase off main GUI thread

AI Game Server - Java Fall 2020
• Pair programmed 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