JONATHAN TIPTON

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SUMMARY

Passionate software developer with experience in AR/VR and iOS applications. A quick learner, eager to embrace new technologies, and adept at collaborating across teams. Excited to join an innovative team that pioneers accessibility solutions and creates software that enables inclusive experiences for all.

EDUCATION

Boise State University   Boise, ID
Bachelor of Science in Computer Science (Cybersecurity Emphasis)   05/2022
Bachelor of Science in Games, Interactive Media, & Mobile (GIMM)
GPA 3.42, Dean's list for seven semesters

TECHNICAL SKILLS

Languages: Swift | C# | Java | SQL | Python
Frameworks: UIKit | XCTest | Core Data | Core Location | SwiftUI | XR Interaction Toolkit
Tools: Xcode | Unity | GitHub | BitBucket | ATP/BATS | DeviceCompute | Radar

EXPERIENCE

Apple   Cupertino, CA
Location Frameworks Test Engineer (CE)   06/2022 – 11/2022

- Streamlined manual testing efforts for macOS location privacy features by spearheading the development of XCUI and XCTests in Swift, resulting in enhanced efficiency and reduced testing time
- Generated comprehensive reports outlining software defects affecting framework features, enabling precise identification, and tracking of issues
- Engaged in cross-functional collaboration with QA and development teams to proactively define test plans for upcoming features, investigated emerging issues, and adeptly troubleshot internal systems
- Established an iOS hardware lab, facilitating continuous integration pipelines and multi-device automation tests, to expedite the prototyping and testing of proposed features and patches
- Effectively managed and updated Python scripts and YAML test plans, utilizing Bitbucket and GitHub source control systems and ensuring seamless maintenance for enhanced productivity and collaboration

Genius   08/2018 – Present
Technical Expert   03/2018 – 07/2018
Technical Specialist   11/2017 – 03/2018

- Leveraged strong problem-solving abilities to troubleshoot complex software issues and deliver optimal solutions, leading to enhanced customer satisfaction
- Proactively submitted bug reports and collaborated closely with software engineers to identify and resolve emerging hardware and software failures, ensuring effective issue resolution
- Demonstrated expertise in utilizing terminal and Unix commands to investigate reported issues and implement less invasive solutions successfully

PROJECTS

Augmented Reality Application   *github.com/jonytipton/Theia-Wayfinding*
Audio waypoint system that enables people with vision impairments to navigate spatially mapped areas

iOS Application   *github.com/jonytipton/LeafLog*
Plant care management app that tracks growth over time and provides detailed care instructions

Virtual Reality Game   *github.com/jonytipton/EscapeTheGridVR*
High-intensity disc battle minigame with custom-made assets and interactive gameplay inspired by Tron