Cole Harper

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EDUCATION

University of Texas at Austin   Austin, TX
Bachelor of Sciences in Computer Sciences   May 2023

SKILLS

Programming Languages: Java, Python, Swift, GoLang
Tools & Platforms: Git, Visual Studio, Linux, PyCharm, Intellej, XCode, UTM, Docker, Jenkins, Goland, Kubernetes, CI/CD, Kubectl
Libraries & Frameworks: pandas, NumPy, SwiftUI, UIKit, PyTorch, TensorFlow, Scikit-learn, Gomock, Spring
Skills: SAFE (Scalied Agile Framework), SCRUM

EXPERIENCE

Software Engineer   August 2023 – Present
Visa Inc. | Open VisaNet   Foster City, CA

- Collaborated on the development and enhancement of a comprehensive end-to-end payment testing tool designed to test next generation payment platform
- Created a scalable validation comparison tool for a payment settlement micro-service using Golang, facilitating efficient processing of large files and generating detailed Excel reports to enhance analytical capabilities in both a manual and automated settings
- Identified and fixed bugs in the token transaction processing payment service, while coordinating with architects and teams with domain knowledge
- Engaged with cross-functional teams in an Agile Scrum environment, ensuring 100% deliverables completion and maintaining up-to-date organizational documentation

Software Engineering Intern   May 2022 – August 2022
Apple Inc. | Information Systems & Technology   Sunnyvale, CA

- Piloted an innovative proof of concept merging the iOS store app with the in-store retail app, prototyped using Swift with SwiftUI and UIKit frameworks, to create a seamless transaction experience across online and in-store channels
- Streamlined cross-channel purchasing experiences so users can effortlessly navigate between online and offline options when selecting products not currently stocked onsite or offsite with zero friction involved
- Partnered with senior developers to connect two customer-facing retail applications, fostering meaningful customer interactions
- Delivered the proof of concept within 12 weeks, utilizing Swift, SwiftUI, and UIKit

PROJECTS

Habitotchi   January 2023 – May 2023

- Innovated a habit-tracking app with a virtual creature to engage users
- Created intuitive UI components with UIKit and SwiftUI that improved user engagement by delivering actionable feedback on daily habits to help motivate consistent behavior changes among active participants in the app
- Determined and implemented optimal data persistence strategies using CoreData, to ensure collected habit data persisted over time for user's enrichment

CollisonVision   January 2020

- Trained an advanced predictive model utilizing Microsoft Azure with data sourced from more than 200 high-incident locations; directly influenced developing strategies aimed at reducing traffic accidents in targeted areas
- Enhanced public safety by offering users safer route options and sharing findings with community leaders to prevent the construction of accident prone intersections
- Engineered a responsive web platform dedicated exclusively to presenting detailed analytics on completed projects; empowered team leads with actionable information leading to three significant improvements in future initiatives