Vikram Singh

Super Duper Cool iOS Engineer

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EDUCATION

University of Massachusetts Amherst

B.S. in Computer Science, Mathematical Computing. GPA: 3.93/4.0.   **Expected May 2023**
- Dean's List, Chancellor's Award

TECHNICAL SKILLS

- iOS SDK, Swift, CocoaPods, RxSwift, UIKit, SwiftUI, CoreData, SQLite, Firebase, MongoDB, Realm, MVVM and MVC
- Other Technical Skills: Java, HTML, CSS, JavaScript, React, C/C++, Python, MATLAB
- Software/Tools: Xcode, Visual Studio Code, Linux/Unix, Git, Jira, Figma.

WORK EXPERIENCE

Lyft, iOS Engineer Intern   **May 2022 – August 2022**
- Skills: Swift, RxSwift, Verbal and Written Communication, Agile.
- Worked with Git, Xcode, Swift, RxSwift, and internal tooling to develop a dynamic cancellation survey and user flow centered around incentivization and value reinforcement to retain premium membership subscribers.
- Communicated with design, legal, and engineering teams to provide input/feedback, perform code reviews, write tech specs, and ensure that our product is consistent with federal, consumer, apple, and internal standards.
- Wrote extensive Unit, UI, and Integration tests in Swift using the XCTest and XCUITest Frameworks

Liberty Mutual Insurance, User Experience/Software Engineer Intern   **May 2021 – August 2021**
- Skills: Agile, UX Design, Figma, Balsamiq, JavaScript, TypeScript, JSX, HTML, CSS, Less, React, StencilJS.
- Implemented a customizable and technology agnostic list design system component, leading to a decrease in frontend development time and cost.
- Conducted user interviews, interpreted/analyzed personas, and compiled research from internal information sources to build an ecosystem map for resource allocation and pain point analysis.
- Designed low and high-fidelity mockups, wireframes, and prototypes with a focus on usability and accessibility.

LEADERSHIP EXPERIENCE

UMass Mobile Development Club, Founder and President   **May 2022 - Current**
- Created an iOS centered curriculum for students to learn topics such as design patterns (MVC and MVVM), protocol-oriented programming, writing robust Swift code, writing tests using XCTest and XCUITest, and Git.
- Guided teams through writing feature/test code, debugging, and developing infrastructure for iOS projects.

BUILD UMass, President and Lead Software Engineer   **September 2020 - Current**
- Developed documentation templates, slide shows, excel spreadsheets, and other assets to provide organized resources for our Technical Leads, Software Developers, and Business Developers (around 80 people total).
- Managed and advised tech leads across 8 projects to make sure that each team followed an Agile centric workflow and delivered high quality code (and other deliverables) to clients.
- Managed the recruiting process - processed, interviewed (behavioral and technical), and evaluated candidates.

FEATURED PROJECT

Studium - Time Management   **2020 - Current**
- Skills: Xcode, Swift, UIKit, Realm Sync, CocoaPods, Algorithms.
- iOS Application that utilizes the MVC design pattern to allow students to track assignments, grades, courses, and healthy habits, saving over 1 hour/week of scheduling on average.
- Utilizes Algorithms to automatically analyze and schedule events around courses and assignments, thereby aiding over 100 students by providing impactful tools for time management and organization.