Ulises Giacoman

R&D Mobile Developer

Developing web and mobile applications with React + React Native + Swift

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📍 Norfolk, VA   🖥 www.udiscover.me

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Projects

react-native-broadcast (04/2017 – Present)
- Wrote native module in Objective-C and Java to broadcast live video to RTMP servers such as Youtube
- Led development of live video streaming on Android and iOS devices with a minimum of 6-8 second latency
- Supported landscape and portrait mode as well as front and back cameras

react-native-calendar (04/2017 – Present)
- Created Javascript Module that provides a vertical scrolling calendar for both Android and iOS devices
- Built module using React Native's FlatList for scrolling and Moment.js for calendar data
- Maximized performance by lazy loading calendar data creation making it performant on older devices

ForRent Community: React Native (03/2017 – Present)
- Merged a messaging platform, a live video streaming app and a leads dashboard into one React Native app
- Drove development efforts while utilizing Flow typings and Jest unit + snapshot testing, aiming for 90% code coverage
- Implemented Firebase Authorization for logging users in and Firebase Database for storing messages

SwiftFolio: iOS Swift 3.1 (08/2016 – 02/2017)
- Created dynamically generated data driven presentations for ForRent.com's sales team through iOS app
- Managed development to dynamically pull data from Elasticsearch instance to focus on positive data, hiding negative data
- Launched West Coast and East Coast Pilot Program with ForRent.com's sales teams
- Implemented offline data persistence and synced to multiple devices via Firebase Database

Knowledge Journal: React (08/2016 – 11/2016)
- Enabled ForRent.com engineers to create articles and share them internally through a web app
- Redirected development from Angular 2 to React (Next.js) with server side rendering, noticing a significant performance boost
- Hosted the journal entries under Git version control, allowing for engineers to fork and contribute/critique easily without interrupting workflow

Alertness.Pro: React + Express + GraphQL + PostgreSQL (07/2016 – Present)
- Engineered web and mobile app to assess workforce fatigue risk by recording an individual's biomarkers
- Developed core algorithm to assess fatigue risk
- Consolidated REST API endpoints containing algorithmic logic so that the majority of queries and mutations could be made through GraphQL

udiscover.me: React (01/2015 – Present)
- Built personal website and blog with React and Gatsby.js
- Hosted statically on Github pages
- Rendered in full Google AMP specification

Current Position

R&D Mobile Developer
ForRent.com

08/2016 – Present   *Norfolk, VA*

Tasks/Achievements

- Researched, developed, and documented new technologies so engineers may continue learning new development paradigms
- Utilized Google Ventures' Design Sprint to plan rapid prototypes and test with personas
- Mentored at hackathons on behalf of ForRent.com recruitment in search of talented engineers

Work Experience

Lead iOS Engineer
Steer Clear

04/2015 – 04/2016   *Williamsburg, VA*
William and Mary's Safe Ride Program providing a secure means of travel for over 5000 students on weekend nights

Tasks/Achievements

- Reduced program's cost by 20% by replacing phone service with mobile app (iOS and Android)
- Created public beta testing with user community using Apple's TestFlight Program and ensured feedback was addressed
- Led collaboration with team members located in California, Wisconsin, and New York

Hackathon Chair
Association of Computing Machinery: William and Mary Chapter

07/2015 – 05/2016   *Williamsburg, VA*
International scientific and educational organization dedicated to advancing the arts, sciences, and applications of information technology

Tasks/Achievements

- Raised individually $17,500 and organized the 32 hour TribeHacks II hackathon in two months
- Maintained weekly newsletter addressing both undergraduate and graduate students informing about upcoming tech including new APIs, products, and services as well as job opportunities
- Held introductory web and mobile workshops for students

Web Developer
Logapps LLC

05/2014 – 08/2015   *Washington, D.C.*
Technology Investment Consulting

Tasks/Achievements

- Redesigned and launched www.logapps.com, a fully responsive website with logging and email alerts if site errors occured
- Directed Intern Program and trained them to develop in an Agile environment
- Established community outreach program and expanded subscription base 20%
- Collected and analyzed market research to aid the building of an independent economic cost estimate from worksheets with over 5000 data points

Awards

Panel Judge & React Workshop Lead (04/2017)
William and Mary's TribeHacks III

- Participated in panel of 3 judges and conducted React workshop

$20,000 1st Place (02/2016)
Dominion Enterprises HackU

- Awarded for building the iOS app Astute

$2400 Hack into Reality (02/2017)
Dominion Enterprises & ForRent.com

- Took a project developed at an internal hackathon into production ready iOS app and launched Pilot program

Top 10 Finalist (01/2016)
University of Pennsylvania's PennApps XIII Hackathon

- Awarded amongst 200 teams and 1400 participants

Multilingual

Spanish
Full Professional Proficiency

French
Elementary Proficiency

Education

Bachelor of Science in Computer Science with Double Major in International Relations
College of William and Mary

08/2012 – 05/2016   *Williamsburg, VA*

Awards

- WM Scholar (Full Scholarship) and Sharpe Scholar