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LUKAS B. CARVAJAL

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EMPLOYMENT - ALL APPS AVAILABLE ON U.S. APP STORE

iOS Engineer, Swift

Farbe

May 2017 - Present

- Built Messages extension that uses iOS Keychain to transfer data securely and makes authenticated calls to a custom API to retrieve images.
- · Localized the application in English, Spanish, and German.
- Built the MEAN stack API with Node.js that integrates Azure Cloud Storage to store images and Facebook AccountKit for authentication.
- · Wrote unit tests to improve workflow.

Ruby on Rails Engineer

Tip Yourself Co.

Jan 2016 - Apr 2017

- · Built a RESTful Rails API that handled millions of dollars in ACH transactions.
- · Created algorithms to assess the validity of transactions and eliminated fraudulent transactions.
- · Configured Heroku nodes to self-adjust for higher loads of traffic.
- · Built push notification system to automatically send tailored messages to encourage app use.

iOS Engineer, Swift

Tip Yourself Co.

Nov 2015 - Apr 2017

- · Refactored entire app to conform to the Model-View-Controller architecture pattern.
- · Implemented best security practices to remove sensitive data and encrypt data for API calls.
- Designed a bank sign-up flow to appear more secure than other banking apps, resulting in a jump from 300 to 30,000 sign ups in three months.
- Reduced runtime for tip statistics from two minutes to a couple of seconds by improving the algorithm for determining days that were tipped.

iOS Engineer, Objective-C

Fraze Frame Inc.

May 2014 - Nov 2015

- · Implemented CoreLocation framework so competitions could be held in different cities.
- · Created different filters using CIFilter.
- · Built a custom interface for taking photos, sharing photos, and up/down-voting photos.

ADDITIONAL EXPERIENCE AND AWARDS

- Top Entertainment App in 14 countries (2017): After working with Farbe, the app became a top entertainment app in countries like Ireland, Colombia, and Australia.
- Top 20 Finance App in U.S. (2016): Within the first six months of improving the Tip Yourself app, it climbed to the top of the App Store.
- Best New App on Apple App Store (2016): After refactoring the Tip Yourself app, it was named a Best New App by Apple.
- 1st Place, Lacuna Open Build Hackathon (2015): Led a team of four developers to build a location-based social media app using Bluetooth iBeacons in 36 hours.
- Web Developer for Non-Profits: Built websites for nonprofits like Timmy and Friends and small schools in Europe.

LANGUAGES AND TECHNOLOGIES

- · Recently worked with: Swift; Objective-C; JSON; XCode; Interface Builder; Ruby; Ruby on Rails
- Previously worked with: MEAN stack; Node.js; JavaScript; Java; C++; C; NoSQL; SQL; XML; LINUX; Eclipse; Visual Studio; LAMP stack; PHP; R; Matlab; Excel; Python

PROJECTS

- News Hack (2015): Built an iOS and Android application with a LAMP backend that could access The Wall Street Journal, The New York Times, and USAToday articles for free.
- Forget-Me-Not (2015): Led a team of three developers to build a location-based reminders application for iOS.
- Merge Text (2013): Built an Android application that sent merge text messages to improve messaging in groups at John Hopkins University Hackathon.

EDUCATION

Berlin, Germany

Free University of Berlin

Sep 2013 - May 2014

- · Studied pure mathematics in German.
- · Minored in computational science.
- · Highlighted Coursework: Abstract Algebra I, II, Analysis I, II, Algorithms and Data Structures I, II.

Tallahassee, FL, USA

Florida State University

Sep 2014 - May 2015

- · Graduated in two years B.S. Economics with minors in computer science and mathematics.
- · Highlighted Coursework: Object-Oriented Programming, Internet Programming with Java, Mobile Engineering, Web Programming and Design, Computer Organization I, Econometrics, Advanced Microeconomics, Discrete Mathematics I.