
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.