

## Alexander Perez

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### Education

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- Georgia Institute of Technology, College of Computer Science: Atlanta, GA
- o Bachelor of Science in Computer Science (GPA: 2.98 of 4.0, CS: 3.4 of 4.0) August 2013 - May 2017
  - o IBM Thomas J. Watson Memorial Scholarship
  - o Activities: GT iOS Club, GT WebDev Club, Tech Effects & Animation Club

### Experience

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- Uber Inc. San Francisco, CA  
*Software Engineering Intern* May - July 2016
- o Added in-app survey feature for gathering feedback from drivers on iOS
  - o Created backend service in Go & deployed it in Uber's infrastructure
  - o Implemented system for validating deep links used to perform actions within the app
- GT RNOC (Georgia Tech Research Network Operations Center) Atlanta, GA  
*Undergraduate Research Assistant* September 2014 - May 2017
- o Responsible for maintaining and developing iOS applications for campus
  - o Built a Python API for campus bus data and corresponding iOS & Apple Watch apps
    - Available on App Store: <http://gtbuses.iminichrispy.com>
- Apple Inc. Cupertino, CA  
*Interactive Media Group Intern* May - August 2015
- o Wrote a program for encoding data in videos using barcodes to verify asset composition
  - o Created a backend infrastructure in Python for automatically triggering test runs
- Apple Inc. Cupertino, CA  
*Interactive Media Group Intern* May - August 2014
- o Designed and created an internal iOS application for testing video streams using AVKit
  - o Used HTML parsing and Javascript injection to organize streams from various sources
  - o Incorporated easier log gathering & sharing, as well as tracking of performance metrics

### Portfolio

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- Georgia Tech Official App (*iOS App & Web Backend*) January 2017
- o Built the new official iOS app for Georgia Tech students
  - o Modules include Places, News, Buses, Events, Social, Safety, and Search
  - o Available on App Store: <http://georgiatech.iminichrispy.com>
- Bus.ly for NextBus (*iOS, Apple Watch App & Web Backend*) January 2015
- o An iOS app that shows live bus locations and time predictions for over 60 NextBus agencies
  - o Includes Apple Watch app for viewing favorited and nearby stops from your wrist
  - o Available on App Store: <http://busly.iminichrispy.com>
- Air Guitar Controller & Server (*iOS & Mac Application*) January 2014
- o Made an iOS app & Mac companion allowing users to send key presses via a TCP socket to use their iPhone as a controller for music rhythm games
  - o Available on App Store: <http://airguitar.iminichrispy.com> | Demo: <http://youtu.be/pBS9t47ldww>

### Technical Skills, Languages, & Interests

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Proficient in: Objective-C, Python, git, Object-Oriented Programming, iOS, Xcode

Familiar With: Swift, C, Go, Javascript, Java, HTML, CSS, MySQL, PostgreSQL

Languages: Fluent in English, Spanish, German

Interests: Movie Soundtracks, Chess, Video Production, Debate