



Lukas Carvajal

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Entry-Level iOS Developer

In the past two years I have done mainly freelance work for small organizations and people. I started out by building simple websites and then moved on to creating my first Android application with the help of a textbook and a course on OOP. I spent several months building Android apps before beginning to learn Ruby on Rails so that I could build a backend for my apps and a web version of them.

Around the same time, I also took on the challenge of building some of my Android apps for iOS and enrolled in a mobile course. Learning such a wide range of technologies in such a short time has taught me the downsides and benefits of building native apps, made it easier to learn architectural patterns like MVC, and forced me to try new frameworks on a regular basis.

While school has provided a solid foundation for a software engineer, nothing has taught me more than doing projects on my own. Therefore, I graduated a year early to get a head start on my career as an iOS developer. Below you will find a summary of projects and courses that show my qualifications for this position. Less relevant info, like business internships, additional courses, extracurriculars, and other information about me may be found on my linkedin:

<https://linkedin.com/in/lukascarvajal>.

Technology Summary

	<i>Skill</i>	<i>Experience</i>		<i>Skill</i>	<i>Experience</i>
	iOS Dev, Xcode			HTML, CSS, Sass, XML	
	Objective-C			Ruby on Rails	
	C++			PHP	
	Android Dev, Android Studio, Eclipse			MySQL, NoSQL, SQLite	
	Java			JavaScript	

Portfolio



News Hack - <https://lcarvajal.github.io/News-Hack> iOS Application

- Accesses New York Times, USAToday, and Wall Street Journal articles for free.
- Built my own LAMPP web service, which sends JSON responses to load article info faster.
- Stores user preferences using NSUserDefaults, UIWebView, UIScrollView, Master-Detail view, custom logo made with Gimp.
- Users can make content load faster by choosing less sources.
- Android version - https://github.com/Lcarvajal/News_Hack



iOS Course - <https://github.com/Lcarvajal/iOS-Course> iOS Application

- An app built for the students in my iOS programming class to get to know each other better and share cool ideas.
- Implements user account system using Parse, allowing users to create an account.
- Users can edit their own profile by changing their 'About me' section, hobbies, website, and profile picture. They can also view each other's profiles.
- A feed allows users to write posts where they can share ideas with one another.
- Currently in the process of uploading to app store.



FSU Football - <https://github.com/Lcarvajal/FSU-Football-iOS> iOS Application

- What the actual Florida State Football iOS app would look like if I created it.
- Uses New York Times API to pull article titles, publishing data, and snippets.
- Shows a video, plays radio, latest FSU Football headlines, and the schedule.



m-txt - <https://github.com/omarkadry/text-merge>

Android Application

- Personalized merge text messaging application.
- Sends individual text messages to a group of contacts, tailored to each contact.
- Built at John Hopkins hackathon with another student using Github in 36 hours
- Accesses contacts information, searches through and manipulates strings for 'personalized' messages, implements suggestion typing and drop down menus, sends texts through application, simple one activity interface, logo made with Gimp.

Additional apps are located on my Github page.

Education

Free University of Berlin - Berlin, Germany

Mathematics (Year Abroad), October 2013 - July 2014

- Attended lectures on mathematics, computer science, and economics.
- Attended TechCrunch Disrupt Europe and other startup events in Berlin.
- Minor in computer science.

Courses Completed:

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|-----------------------------|-------------------------------------|
| • Linear Algebra 1,2 | • Analysis (Advanced Calculus) 1,2 |
| • Computational Science 1,2 | • Research for the Natural Sciences |

Florida State University - Tallahassee, Florida

BSc Economics, September 2012 - May 2013 and September 2014 - August 2015

- Attended several hackathons.
- Minor in computer science and mathematics.

Courses Completed:

- | | |
|--|--|
| • iOS Mobile Programming (Objective-C) | • Econometrics |
| • Object Oriented Programming (C++) | • Applied Statistics |
| • Discrete Mathematics 1 | • Calculus 1,2 |
| • Computer Organization 1 | • Advanced Microeconomics |
| • Internet Programming with Java | • Macroeconomic Theory |
| • Web Programming and Design | • Social Entrepreneurship and Economic Development |
| • Introduction to Unix | |

Additional courses are located on my LinkedIn page: <https://linkedin.com/in/lukascarvajal>.