Lukas Carvajal

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Github: https://github.com/lcarvajal

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 benefits and downsides 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 am graduating 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

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Education

Free University of Berlin - Berlin, Germany

Year abroad (Mathematics), 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:

- Linear Algebra 1,2
- Computational Science 1,2
- Analysis (Advanced Calculus) 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)
- Object Oriented Programming (C++)
- Discrete Mathematics 1
- Computer Organization 1
- Internet Programming with Java
- Web Programming and Design
- Introduction to Unix
- Econometrics
- Applied Statistics
- Calculus 1,2
- Advanced Microeconomics
- Macroeconomic Theory
- Social Entrepreneurship and Economic Development

additional courses taken are located on my linkedin page: https://linkedin.com\in\lukascarvajal

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Portfolio

News Hack - https://github.com/Lcarvajal/News-Hack
iOS Application

- accesses New York Times and Wall Street Journal articles for free
- parses websites for titles and urls in order to pull out 'subscriber only' content
- built on my own
- parses pages using hpple, stores user preferences using NSUserDefault, UIWebView, UIScrollView, Master-Detail view, custom logo made with Gimp
- Android version - https://github.com/Lcarvajal/News_Hack

Sharephoto - https://github.com/Lcarvajal/Sharephoto
iOS Application

- takes photos and makes sharing them with people easy
- currently building user account system for application, uses iphone camera, stores photos locally, working on submitting to app store

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, orange-black-white design, uses standard Android send button, logo made with Gimp

Technology Summary

Skill	Experience	Skill	Experience
iOS Dev, Xcode	||||||	HTML, CSS, Sass, XML	||||||||
Objective-C	||||||	Ruby on Rails	||||
C++	||||||||	PHP	||||
Android Dev, Android Studio, Eclipse	||||||	MySQL	||||
Java	||||||	JavaScript	||

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