Alexander Coundouriotis

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EDUCATION AND SKILLS
- Bachelor of Science in Computer Science, Economics Minor
- Part time Junior at Kennesaw State University; Dean's List; expected graduation in December 2020
- Experienced full stack developer; iOS and Java focused
- Mastery of Objective-C, Swift, Java, and SQL; proficiency of Python and C++; utilized Xcode, Eclipse, IntelliJ, and MySQL Workbench
- Experience with Git, UNIX Terminal and Command Line, Postman, Jira, and working in a Linux/Mac environment
- Skilled in concepts including cacheing, client/server networking, agile development, and relational database design
- Graduate of the STEAM Magnet Program at Joseph Wheeler High School in Marietta, GA

PROFESSIONAL EXPERIENCE
Mobile Development Intern, GreenSky, LLC.   *May 2017 to Aug 2017*
- Developed and deployed various features that reached more than 15 thousand merchants and nearly 2 million customers
- Used Objective-C in advanced iOS application development assignments dealing with highly sensitive data
- Built feature utilizing HTTP GET and PUSH requests through Java server to interface with a SQL database allowing merchants to rebrand the look of the app
- Assisted in integration and development of a new streamlined and highly automated loan application as well as a feature to get updated legal disclosures and securely cache them on the device

iOS Development Intern, GreenSky, LLC.   *Feb 2016 to Jan 2017*
- Learned Objective-C, Git, and how to work in an agile environment using Jira
- Individual projects included: addition of APNS; addition of Addrexx service to autofill city and state based on zip code; optimization for 4.7 and 5.5 inch iPhone screen sizes; refactoring of code to conform to a proper object-oriented format
- Team projects included: addition of Google Analytics; implementation of a PDF-417 (driver's license) barcode scanner; troubleshooting and bug fixing using Splunk logs

Freelance Developer, Alec Merber   *May 2015 to Dec 2015*
- Developed iOS app, Deal Party, coded in Swift that allows for companies to give discounts and incentives to consumers while collecting critical analytical data

PERSONAL EXPERIENCE
Founder of ACApplications, LLC.   *Established Apr 2016*
- Founded ACApplications, LLC. to create a brand for my personal app development
- Created www.acapplications.com website to serve as an endpoint for various servers and display my development portfolio
- Actively maintaining four apps under ACApplications name, described below

Creator and Developer of Once A Day   *Jun 2018 to Present*
- Objective-C based iOS app to help track personal fitness progress
- Built it to challenge myself to create and publish an app in a week
- Java based server communicates with iOS app and APNS for workout notifications using HTTPS

Creator and Developer of Pocket Chips   *Sept 2017 to Jun 2018*
- Objective-C based iOS app that emulates a poker chip set to let users bet with virtual chips
- Client app based on Objective-C and communicates with server through socket connection
- Server written in Java and utilizes SQL to store user data

Creator and Developer of Drink-Calc   *Oct 2016 to Sept 2017*
- Second generation of Caf Calc; pulls and caches nutrient data from a Java based server that communicates with a SQL database to allow data to be updated without pushing a new release to the App Store
- Utilizes HealthKit, CoreData, Keychain, Google AdMob, Google Firebase Analytics, and In-App Purchases

Creator and Developer of Caf Calc   *Sept 2015 to Oct 2016*
- First major app created and released to the App Store
- Simple self contained app that lets users calculate and track their caffeine intake throughout the day
- Utilizes HealthKit, CoreData, and Google Firebase Analytics

SIDE PROJECTS

Scrolling Stock Ticker   *Jan 2018 to Present*
- Building a scrolling stock ticker using 3,360 individual LEDs controlled by an Arduino
- Learning Electric VLSI software for creating CMOS integrated circuits, preferably to replace Arduino in final product
- Created custom controller from scratch in simulation and working on constructing physical model
- Future plan to create official CMOS integrated circuit and have it fabricated

C++ Neural Network   *Oct 2017 to Present*
- Working on neural network based in C++ to analyze stock market data and predict movement
- Coded working feed forward neural network that learns to be an XOR gate
- Working on potentially adding a genetic algorithm to increase prediction accuracy and decrease training time

OpenCV Self-Driving Toy Car   *June 2017 to Present*
- Creating self-driving toy car using Arduino Uno and webcam
- Arduino transmits data to computer which processes image data and returns movement instructions