Aleksey Levkovskyi

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EDUCATION

Florida Atlantic University — Boca Raton, FL
Bachelor of Science in Computer Science; Magna Cum Laude; 4.0 Core GPA — *Jan. 2015 – Aug. 2017*

New York University — New York, NY
Undeclared Major — *Sep. 2013 – Dec. 2014*

EXPERIENCE

TwoSense — New York, NY
Algorithms Engineer — *Jun 2017 - Present*
- **Role**: Founding engineer. Designed context-aware algorithms that enable creating a behavioral signature model for users of mobile devices. Optimized power efficiency of background processes in CPU-intensive mobile applications.
- **Tech**: Java, Python, C++, Git

Motorola Solutions — Plantation, FL
Software Engineering Intern — *Feb 2017 - Jun 2017*
- **Role**: Co-designed and implemented algorithms that process data from complex sensor networks in a first responder setting. Wrote proof-of-concept code for portable device prototypes running embedded Android.
- **Tech**: Java, BLE, Git

The SilverLogic — Boca Raton, FL
Software Engineer — *Summer and Fall 2016*
- **Role**: Co-developed multiple iOS applications for an array of clients, including First Service Residential, MyTownDelivery, PeopleTicker and others.
- **Tech**: Swift, Objective-C, Git

Aquifi — Palo Alto, CA (remote)
Software Engineering Intern — *Jan 2016 - Dec 2016*
- **Role**: Created from scratch and deployed to AWS a web gallery for 3D models. Developed a specialized compression algorithm for stereo images of laser-scanned objects with a compression rate of up to 18%.
- **Tech**: Python, JavaScript, C++, OpenCV, Git

Florida Department of Transportation — Deerfield, FL
Software Engineer — *Oct 2015 - Mar 2016*
- **Role**: Upgraded and maintained the Sunpass road toll payment application, available on the App Store and serving thousands of users in Florida monthly.
- **Tech**: Objective-C, SVN

Florida Atlantic University — Boca Raton, FL
Undergraduate Researcher — *Sep 2015 - July 2016*
- **Author - Extended Abstract and Implementation**: Research on boolean expression optimization algorithms. Development of an educational smartphone game powered by a modified version of the Quine-McCluskey algorithm. Presented at FURC 2016 and approved by LACCEI (July 2016).
- **Co-Author - Research Paper**: Research on Generating Academic Success through Social Media. Presented at and approved by LACCEI (July 2016).

PROJECTS

- **"Uniteam"**: Classmate matcher/real-time chat application for college students. Fully open source.
- **"Karnau"**: Puzzle game for mobile devices based on Karnaugh's manual method of simplifying boolean expressions.
- **"Armsy"**: Single-wave digital synthesizer powered by the STM32F4 MCU.

ADDITIONAL WORK

- **Firmware Engineer**: Co-developed a patent-pending embedded device with Dr. Bassem Alhalabi at Florida Atlantic University. The device is used for helping students learn logic design theory.
- **Java Tutor**: Tutored a high school student in Java, as well as common data structures and algorithms.