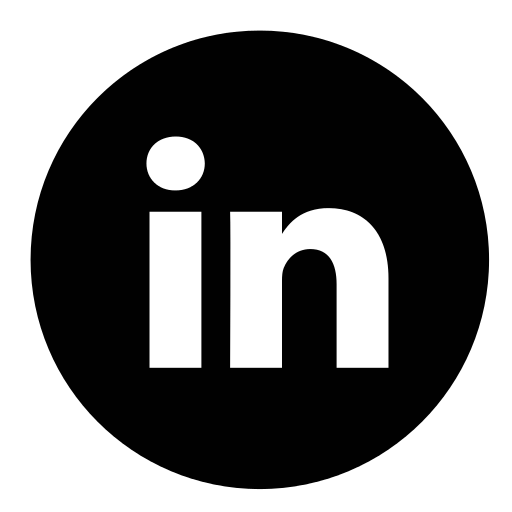
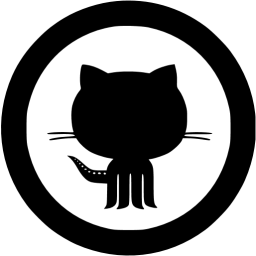
Konstantino Sparakis



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<https://github.com/ksparakis/> 

MS COmputer Engineer

## EDUCATION

**Boston University**

***September 2016***

**Bachelors, BS Computer Engineering**

**Minor, Business Administration**

***Expected May 2017***

**Masters, MS of Computer Engineering**

### Fluent Spoken Languages

**English, Greek & Spanish**

### Areas Of Interest

**Venture Capital, Entrepreneurship, Cloud Computing, Cyber Security, Block chain technology & Cryptography**

### Computer Languages

**Asp .Net, Bash, C, C#, C++, CSS, Html, JQuery, Java, JavaScript, Node JS, Objective-C, Php, Python, Ruby, & SQL.**

### Technical Skills

**AWS, Computer Architecture, Digital Logic, Docker, Full Stack Dev., IOT, Kernel Dev., Microprocessors, Mobile Dev., Object Oriented Programing, REST API’s, Scrum, Unix Terminal, Virtualization**

## EXPERIENCE

Founded Consulting Company

Cipher Zero Inc. | Astoria, NY

Sept. 2016 – present

Founded an S-Corp in the state of New York to handle small consulting jobs for clients.

* Helping designing Products, branding and implementing them.
* Managing multiple real clients with contracts and hard deadlines.
* Experience with forming a company.

Software & Security Eng. Intern

Lexumo | Boston, MA

March 2016 – Dec 2016

Phabricator, JIRA, Slack, Gitlabs, Python, Docker, & Strace.

* Joined within a month of founding, witnessing management and growth of startup from day 1.
* Worked on maintaining and improving existing client code built on python.

Software Engineering Intern

Carbonite | Boston, MA

May 2015 – Jan 2016

Pivotal, JIRA, Jenkins, Github, Node.js, Ruby, AWS, C#, & PowerShell

**Cloud Infrastructure Team**

* Mentored new interns and Co-ops
* Amazon Web Services
  + Finding limitations of AWS
  + Communicating with AWS support engineers for solutions.
  + Worked with EC2, S3, Lambda, Key Management, VPC, & RDS.
* Writing scripts for customer usage analytics
* Researching and testing methods of recovering a physical machine from a cloud back up.
* Created Microsoft PowerShell applets for multiple use cases.

**Quality and Assurance Team**

* Worked with Jenkins to create automated tests.
* Worked with remote employees in Ukraine

## TECHNICAL PROJECTS

AWS Spot Instance Market Analysis

**Fall 2016**

**Python, Pandas, Data Science**

* AWS EC2 has a market place where people bid against each other for extra resources.
* Found that same instance type in different regions and different instance in same region are highly uncorrelated. Meaning you can save money by moving to different market.
* Through analysis found that average price made Spot instance market worth the investment in majority of cases.

APEKIT: Android Vulnerability Analysis

**Fall 2015**

**Python, AWS, APKTool, SQLight and Unix**

* Python Pipeline that reverses engineer’s Android APK’s to source code, & statically analyzes for vulnerabilities.
* Analyzed over 1000 Android applications
* Discovered API keys including Amazon Web Service keys.

**Sundial: Solar Unit Monitoring**

**Fall 2015- May 2016**

**Scrum, Python, PostgreSql Django, Java & Android**

* Deployed for Oolu Solar in Senegal, Africa. Startup that manages 200+ rural villages and growing.
* Hardware-to-Cloud solution for monitoring solar units power usage in rural Africa.
* Lead a team of 6 students in Architecting and Implementing our solution with scrum.
* Lead the Implementation of our Android App.
* Assisted architecture of PostgreSQL data model & Restful API routes

**ReClo: Cloud Disaster Recovery**

**Spring 2015**

**Scrum, AWS (EC2, S3), Node.js, C#, & REST API, MySql**

* Using Scrum lead a team of 5 students to create a solution for disaster recovery, restoring physical machines to Ec2 virtual machines
* Presented & Demoed in **Massachusetts Open Cloud Conference**
* C# Windows Clients, Node.js backend working built into AWS.

**Ambios: Dynamic Ambient lighting for computer monitor**

**Spring 2015**

**C, Microprocessor, Hacking**

* Used port sniffer to find Prismatik software protocol, which live captures color displayed on monitor and sends it via serial port to hardware.
* Using a TI MSP430 microprocessor programmed in C & custom circuit design attached to Led Strips, emulated a Prismatik compatible device to intercept color information and display it on LED strip.

**24 Hands: Embedded Systems**

**Spring 2015**

**C, Digital Logic, Unix Kernel, IC2, & RF**

* 7 Segment display created by moving a single clock hand into proper position.
* 24 Stepper motors controlled by custom logic circuit connected to a raspberry pi & Gumstix embedded processor.
* I2C communication between Gumstix and R-pi
* Ti watch with accelerometer and RF communication sends commands to display.

**Networking in the Physical World**

**Fall 2014**

**PHP, RF, Android, Embedded Systems, MySql**

Collection of Internet of things Projects based off of Sun Systems Sun Spot microcontrollers.

* Report room temperature to cloud infrastructure and display live and historic data view via custom web interface.
* Using Radio Frequency Strength indicator for indoor localization with live web view
* Created a wall following algorithm for servos self-driving automated car.