**EDUCATION**

**M.S. Computer Engineering** **3.4 GPA**  Boston University | **2017**

**Relevant Course Work:** Applied Symmetric ­­Cryptography, Intro to Cryptography, Cyber Security,

Network Security, Data Science, Cloud Computing.

**B.S. Computer Engineering & Minor in Business Administration** Boston University | **2016**

**WORK EXPERIENCE**

**Founder & CEO September 2016 - Present**

**Cipher Zero Inc. |** Queens, NY

* Built web platforms for clients using React frontend and AWS Lambda/API Gateway Python backend, for easily scalable “server-less” solutions for improving small businesses operations.
* Reviewed clients code for proper cryptographic implementations in Java and Python.
* Worked with client on storing cryptocurrencies on android devices securely.
* Consulted small businesses on IT strategies for managing data and improving workflow

**Software & Security Engineering Intern March 2016 – October 2016**

**Lexumo** | Cambridge, MA  *Phabricator, JIRA, Slack, Git, Python, Docker, & Strace*

* Improved client application by writing unit tests, talking to customers, and implementing new features.
* Ensured compatibility of application client-side code with the majority of Unix based systems using Docker with a CentOS5 image to ensure compilation with lowest Glib library possible.

**Software Engineering Intern May 2015 – January 2016**

**Carbonite** | Boston, MA *JIRA, Jenkins, Github, Node.js, Ruby, C#, PowerShell & AWS (EC2, VPC, S3, RDS)*

* Worked on Cloud Infrastructure and Quality Assurance teams
* Researched limitations of Amazon Web Services in order to build a quick backup to ec2 instance
* Communicated with AWS support team for new solutions
* Researched methods for recovering Windows onto a physical machine from a cloud instance.
* Worked with Jenkins to create automated tests in AWS.
* Assisted in design and implementation of a RESTFUL API for use by a new Android application, which backs up mobile data to all free clouds (Dropbox, OneDrive, google drive…)
* Mentored new Co-Ops and worked with remote employees in Ukraine.

**SKILLS**

**Fluent Spoken Languages**- English, Greek, and Spanish

**Programming Languages** *-* C, C#, C++, Ruby, Java, Python, HTML, CSS, Sass, JavaScript, React.js, JQuery, Node.js

**PROJECTS**

**ReClo: Disaster Recovery in the Cloud January 2015 – May 2015** Cloud Computing *Scrum, AWS EC2, Dynamo DB, RDS, S3, Node.js, PowerShell, C# asp.net*

* Using scrum lead a team of five students to create a solution for disaster recovery, restoring physical machines to EC2 virtual machines.
* Designed RESTFUL API and Cloud infrastructure.
* Designed and Implemented C# windows client, communicating to Node.js backend on EC2.
* Presented and Demoed at Massachusetts Open Cloud Conference.

**Sundial: Solar Monitoring Platform September 2015 – May 2016**

Senior Design  *Scrum, Android, Java, Python, Django, REST, PostgreSQL*

* Sundial is a Hardware-to-Cloud solution for monitoring power usage of solar units in rural Africa.
* Deployed for Oolu Solar in Senegal, Africa, a startup that manages 200+ rural villages.
* Lead Implementation of the Android App.
* Designed wireframes, and communicated with customers to create a product that fit their needs more than what they had simply requested.
* Assisted architecting PostgreSQL data model and Restful API routes.

**Black Widow: Web Browser Crypto Vulnerability Scanning March 2017 – Present**

Applied Cryptography *MongoDB, AWS Lambda, REST API, Crypto, Google Chrome, JavaScript*

* Designed and Implemented a Google Chrome extension that scans and highlights cryptographic vulnerabilities found on coding tutorial websites (Think Stack Overflow).
* “Server-less” Python API Backend, built using AWS lambda and API Gateway.
* Successfully Identified improper Java and Python Cryptography implementations, and built system modularly for scalability, adding new vulnerability scans easily.

**AWS EC2 Spot Instance Price Analysis September 2016 – December 2016**

Data Science with Python *Data Science, Market Analysis, Python, Pandas, Github, AWS EC2*

* AWS EC2 has a marketplace where people bid against each other for extra computing resources, I lead a team to analyze this market using data science techniques.
* Used Python, Pandas and other packages to scrape data from the web and analyze it.
* Found correlations that allow users to save money by moving VMs’ to different locations.
* Through analysis, average price made the spot instance market worth the investment.

**Apekit: Android Vulnerability Scanning September 2015 – December 2015**

Cyber Security *Androgaurd, SQL, Android, Python & Linux*

* Python pipeline that reverse engineer’s Android APK’s to source code, and statically analyzes for vulnerabilities.
* Analyzed over 1000 Android applications
* Discovered API keys including Amazon Web Service keys along with other vulnerabilities.

**SoundCloud Security Audit May 2017**

Network Security *Data Science, Market Analysis, Python, Pandas, Github, AWS EC2*

* Performed passive security audit on Soundcloud.com, and found an attack vector
* Checked for proper use of Cryptography, SSL, and prevention against XSS and CSFR
* Sniffed web packets for inspection with Wireshark