Kenneth Lee

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Education

New York University | New York City, New York (9/2016 – 12/2019)
- **Major:** Computer Science, Bachelor of Science
- **Minor:** Mathematics
- **Cumulative GPA:** 3.42
- **Relevant Courses:** Data Structures & Algorithms, Object Oriented Programming, Operating Systems, Databases, Offensive Security, Artificial Intelligence, Linear Algebra, Data Analysis

Experience

Software Contractor at CTFd | New York City, New York (1/2019 – 2/2019)
- Implemented common web and cryptography vulnerabilities into CTF challenges using small web applications and Linux servers.
- Delivered containerized CTF challenges to the Technology Student Association.
- Combined prior knowledge of web development with web security and Docker to build lightweight and portable web applications and servers.

Application Development Intern at Draft.Fish | Campbell, California (6/2018 – 8/2018)
- Developed the MVP of an auto-scheduling to-do iOS application.
- Laid out the base implementation of the application in Swift.
- Worked in a Scrum process to ensure efficient communication between engineers and customers.

Member of the OSIRIS Security Lab | New York City, New York (10/2018 – Present)
- Posted a write-up of an AES encryption challenge on the OSIRIS blog.
- Contribute to the NYUSEC team by playing in weekly CTF events.
- Attend lab-run events such as the Cyber Security Club's seminar series and Hack Nights.

Web Development Intern iDesign Group | Larchmont, New York (5/2017 – 8/2017)
- Developed 5 websites for clients and contributed to the design of each site with the design team.

Projects

Secret Memo | Python Script
- Creates password protected text files that can only be accessed through the UI.
- Implemented a modified Caesar cipher and sha512 hashing for encryption.

Number Recognition | Python Script
- Neural network that can recognize digits 0 - 4 from the MNIST data set of handwritten numbers.
- Implemented back propagation with one hidden layer.

Doz | Android Application
- Aids the user in getting faster, better sleep through ambient sounds and ASMR videos.

CashTrack | Android Application
- Assists with keeping track of expenses and income.

Technical Skills

Proficient in Python, Docker, Git, C/C++, IDA, Java, HTML, CSS, SQL, Linux (Ubuntu)
Familiar with Flask, PHP, Ruby, Swift, Android Studio, Nginx, C#, JavaScript