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:** 3.44

Experience

Full Stack Intern at INFOLynx | Teaneck, New Jersey (5/2019 – 8/2019)
- Implemented flexible JavaScript components to decrease the time taken to build web pages.
- Utilized Leaflet to create a map component that shows locations in real time.
- Deployed AWS Lambda functions, such as database lookups and location updates via text, with Nexmo, MongoDB, and Mongoose.

Software Contractor at CTFd | New York City, New York (1/2019 – 2/2019)
- Turned 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 Docker to build lightweight and portable web applications.

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 and built the foundation 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.
- Learn about and exploit security vulnerabilities through OSIRIS seminars and Hack Nights.

Projects

Resume Generator | Web Application
- Generates a resume given the user's information and selected template.
- Used React-Redux to build a single page web application.

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.

Secret Memo | Python Script
- Creates password protected text files that can only be accessed through the shell.
- Encrypted files and passwords with a modified Caesar cipher and sha512 hashing.

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

Technical Skills

Proficient in Python, JavaScript, jQuery, NodeJS, Git, JSON, npm, HTML, CSS, Bootstrap, SASS, Linux (Ubuntu), Docker, MongoDB, Mongoose, C/C++, SQL, Java, AWS Lambda, Jira
Familiar with React, Flask, PHP, DynamoDB, Redux, Ruby, Swift, Android Studio, Nginx, Gulp, C#