JOSEPH KIM

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EXPERIENCE

OSIRIS Research Lab | *Member; Communications Chair*
March 2018 – Present
- Contributing to work produced by the lab
- Participating in lab events and activities, such as CTFs

May 2018 – Present
- Maintaining external communications on lab's behalf
- Help manage lab's extensive networking connections
- Organizing events held by and for OSIRIS

NYC Cyber Command | *Engineering Intern*
June 2018 – October 2018
- Created network diagrams and documentation for the engineering team's project
- Helped write script to automate HR's hiring process
- Shadowed SIRT to see how security issues are prevented, monitored, and treated

V V Patchouli | *Software Engineering Intern*
April 2018 – June 2018
- Designed, created, and maintained company site to capture the company's aesthetic and culture

Intro to Computer Science | *Teaching Assistant*
December 2017 – May 2018
- Helped design the course including its various lecture topics, homework assignments, projects, etc.
- Engaged with students to develop their understanding of significant concepts in programming and the computer science industry

PROJECTS

Partial MNIST | *December 2018*
- Created a neural network from scratch designed to recognize images of handwritten digits
- Final project for *Artificial Intelligence* course
- Uses: Python

Slack Request Relay | *June 2018*
- Creating a way for Slack workspace admins to easily manage new single-channel user requests
- Uses: Python, Flask, Slack API

GitarTheory | *December 2016*
- Guitar chord database that works with properties of different chord qualities
- Created to help beginners learn guitar
- Uses: Python

SKILLS

Languages: *Python, SQL, C++, JavaScript, C, Assembly, HTML, CSS*

Tools & Technologies: *Flask, Git, Unix, Binary Ninja, Wireshark*

EDUCATION

New York University | *Class of 2020*
September 2016 – Present

Tandon*: Pursuing B.S. in Computer Science*
CAS*: Pursuing minor in Philosophy*

- Design and Analysis of Algorithms
- Computer Architecture & Organization
- Operating Systems
- Computer Networking
- Databases
- Artificial Intelligence
- Data Analysis
- Linear Algebra and Diff. Eq.

ACTIVITIES

TRM - CITY2017 | *Counselor & Media Team*
May 2017 – August 2017
- Christian youth retreat counselor
- Led promotional film/photography

Milal America Wheat Mission | *Supervisor*
December 2015 – July 2016
- Served individuals with developmental disabilities
- Supervised and managed other volunteers

PERSONAL INTERESTS

- Visual Arts / Film & Photography
- Fashion
- Music / Guitar
- Nonprofits / Volunteering