George **Osterweil**

SOFTWARE ENGINEER

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Summary

Software Engineer with a strong interest in InfoSec. Experience working collaboratively to write and maintain production software for Hofstra University's Computer Science department.

Projects

VI2SQL

HOFSTRA UNIVERSITY C.S. DEPT.

- Ruby Script to automate information gathering on VMWare vSphere VMs, leading to substantially improved inventory data
- Used vSphere web services API to collect properties for all vSphere VMs, process the data and store it in a MySQL database

LDAP Sync

HOFSTRA UNIVERSITY C.S. DEPT.

- Perl scripts to sync data between MySQL and Hofstra's LDAP AD servers
- Scripts write data from LDAP to MySQL and vice-versa

vSphere utils

HOFSTRA UNIVERSITY C.S. DEPT.

- Several Ruby Scripts to automate cleanup and maintenance of vSphere VMs
- lsvi script uses vSphere API to output vm ownership and other info in csv or Unix-style formats
- hofad script takes input from lsvi and queries AD server to output data like account active status
- vm_batch script takes VMs from hofad and performs batch poweroff, move or delete operations

IP Block Update

HOFSTRA UNIVERSITY C.S. DEPT.

- Python Script to track IP range availability for VM use
- Marks input ranges assigned or free in MySQL, merging or splitting rows to keep table clean

Work Experience

Hofstra University Computer Science Dept.   *Hempstead, NY*

STUDENT TECHNICIAN   *Jan. 2017 - Present*

- Designed and implemented several utilities to automate Hofstra's Big Data Lab and other department infrastructure
- Used Git version control to collaborate on all projects

Skills

Programming Languages	Ruby, Python, Java, C/C++, MYSQL
Tools/Markup/OSes	Git, HTML/CSS, Linux, Windows
Languages	English, French

Education

Hofstra University   *Hempstead, NY*

B.S. IN COMPUTER SCIENCE - CONC. IN NETWORKING AND CYBERSECURITY   *Sep 2016 - Expected May 2020*

- Current GPA: 4.0
- Fund. of C.S. III
- Computer Architecture
- Data Structures and Algorithms

Facebook/Codepath   *Hofstra University*

CODEPATH CYBERSECURITY COURSE   *Sept - Dec 2017*

- Additional course sponsored by Facebook teaching fundamentals of cybersecurity like XSS, SQL Injection etc, and how to prevent such attacks.