Sam Azouzi

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EDUCATION

RUTGERS UNIVERSITY
BS in Computer Science
Expected May 2019 | New Brunswick, NJ
School of Arts and Sciences
Dean's List (All Semesters)
Cum. GPA: 3.8 / 4.0

REL. COURSEWORK

Systems Programming
Algorithms
Artificial Intelligence
Data Management (SQL)
Data Science
Operating System Design

SKILLS

PROGRAMMING
Proficient:

Java	Python
C	HTML

Experienced:

C Sharp	CSS
JavaScript	

FRAMEWORKS/TOOLS

Flask	Agile Development
Git	Node.js
MySQL	SQLlite
Kafka	Kubernetes
Spring	Docker
Mongo	

LINKS

Github:// **azoam**
LinkedIn:// **sam-azouzi**

EXPERIENCE

RUTGERS UNIVERSITY | Open System Solutions
System Administrator
January 2016 - Present | New Brunswick, NJ
- Maintain and update software on university servers running CentOS and Solaris using RPMs for a user community of 70,000 faculty, staff, and students
- Debugged and responded to system issues for Rutgers Build Servers.
- Adapt open source software for enterprise use on Rutgers Systems.
- Worked on URL Shortener for Rutgers Faculty using the Flask framework.

VMWARE | Product Engineering Intern
May 2018 - Auguest 2018 | Palo Alto, CA

- Designed a system to collect and analyze millions of logs faster than the previous system.
- Solved previous issues of data loss and low performance using Kubernetes to scale the applications and Kafka to store and share data across all applications.

NOTABLE PROJECTS

ASYNCHRONOUS DIRECTORY MANAGER JavaScript/Node.js

- Mimics file system actions on a local machine such as modifying/deleting/creating files/directories on a remote machine.
- Actions are restricted to specified directory on the local and remote machine.
- Each 'mimic' action taken care of by separate contexts allowing for several actions to occur asynchronously.

REMOTE I/O C and C core libraries

- Created network I/O functions that allowed for remote reads, writes, opens, and closes from local to remote servers.
- Used core libraries from C to emulate client(s) to server communication through sockets

ORGANIZATIONS

USACS | Education Director
May 2016 - May 2018
- In charge of organizing and planning educational events for the community.

HACKRU | Volunteer Director and Research and Development
May 2016 - Present
- Lead a team of 40+ Volunteers for HackRU to organize and support day-of operations for 1000+ person event
- Currently developing team-building web application with Python/Flask and MySQL to automate the process of grouping hackers with similar interests but no ideas.