

Sakib Jalal

Student Developer

sakib.jalal@gmail.com > 732.895.0891

Education & Skills

Rutgers University > Fall 2014 - Spring 2018

B.S. in Computer Science > Math > Astrophysics

Junior > Honors Program > Major GPA 4.0

Presidential Scholarship > SAT 2380

pastebin.com/zzkgPp7f > Planned Courses

Coursework > Data Structures, Algorithms,
Internet Technology, Operating Systems, Databases

Skills > Python, Java, C/C++, Bash, HTML/CSS/JS
> Flask, MySQL, Node.js, MongoDB, Git, Apache
> Docker, Linux (RedHat, Debian), Salt, Phabricator

Experience

oss.rutgers.edu > Winter 2015 - Present

Open System Solutions >

Student Systems Programmer

- > Collaborate with team to build and maintain RPM packages used by 70,000 faculty & students.
- > Assess, diagnose and rectify system/application issues on university *NIX servers running CentOS in the Koji build environment, provisioned with Salt.
- > Write and maintain scripts to automate system administration tasks for Linux production servers.
- > Perform web development for university service apps using Python, Flask, MongoDB and Jinja2.

apply.hackny.org > Summer 2016

HackNY Fellowship > Class of 2016

- > Member of an intensive program made to integrate top tech students into the NYC startup ecosystem.
- > Connect with and receive resources and lectures from prominent individuals in NYC tech community.
- > Part of a talented and expansive alumNY network.

hioscar.com > Summer 2016

Oscar > Software Engineering Intern

- > First to use Docker Compose to automate CentOS development environments, greatly simplifying the on-boarding & workflows of 60+ full-time engineers.
- > Used Ansible to provision secure Docker Registry boxes to distribute images for large-scale projects.
- > Set up Apache Mesos on Docker for compatibility with production CentOS environments on AWS s3.
- > Gain familiarity with Pants build system, Ansible provisioning engine & Apache Aurora/Mesos/Kafka.

Website sakib.github.io
Linkedin [/in/sakibj](https://in.linkedin.com/in/sakibj)
Github sakib

Leadership

usacs.rutgers.edu > 2016 - Present

President > Rutgers USACS

Building a strong Rutgers CS community and managing \$70,000 to run social & educational events for Rutgers computer scientists. Coordinating with the university and running an awesome university-wide mentorship program. Directed finance, technology and hacker experience at HackRU for 1000 devs over 30 hours.

cs.rutgers.edu/undergrad/courses/111 > 2015 - Present

Learning Assistant > Intro to Computer Science

Guiding several recitations of students through CS 111. Providing a Slack channel for easy 24/7 communication and hosting an Ubuntu server for my students to utilize.

Projects

github.com/oss/shrunk/ > Summer 2015

Go: Official Rutgers URL Shortener

Implemented sophisticated database stability, detailed logging for all routes and actions, source IP tracking per URL and alphabetical URL sort for Rutgers URL Shortener written in Python, Flask and MongoDB.

hackru.org > Fall 2015

Official Site for HackRU Spring 2016

Built a functional, maintainable HackRU Spring 2016 web app using Python, Flask and Digital Ocean in order to manage a SQL database of 2000 registrants.

github.com/sakibj/ironmyo > Winter 2015

Ironman Simulator in Oculus Rift

Took input from two Myo Armbands to move and shoot lasers out of arms in an artificial 3D Unity Engine environment displayed in an Oculus Rift.

github.com/sakibj/leapwheels > Winter 2015

Hand Gesture-Controlled Vehicle

Used Leap Motion API to send hand-gesture data to an Intel Edison board on an arduino sitting atop a small car fashioned from wood, wires and toy parts.

github.com/sakibj/fbemail > Spring 2014

Gmail Inbox Integration into Facebook

Built a chrome extension in JavaScript that parses Gmail XML data from a static URL and displays your inbox as a dropdown menu on your Facebook page.