

MD ISLAM

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EDUCATION

Rutgers University

B.A. Computer Science and Mathematics

May 2018

Newark, NJ

EMPLOYMENT

Catalogic Software

Software Engineer

January 2018 – Present

Woodcliff Lake, NJ

- Collaborated in the development of filesystem drivers and cloud backup, archive, and restore software
- Refactored Minio Go SDK to support IBM Cloud Object Storage, Amazon S3, and Microsoft Azure
- Devised and implemented new ZFS filesystem features and I/O throttling algorithms to improve performance
- Created chatbot using Spring framework and IBM Watson that retrieves information and manages backup appliances
- Updated and maintained Flask API and Click CLI and configured Nginx web server
- Developed data transfer framework to stream data with real-time compression to the cloud or between systems
- Created background service and task manager to cleanup and sync filesystem using system notifications from inotify

Paradox Process

Software Developer Intern

April 2017 – June 2017

New York, NY

- Created an iOS and Android application to help people register and track user impulses and emotions
- Designed user interface using Sketch and developed using React Native and D3.js

Rutgers University, GSLSAMP

Web Developer

September 2015 – May 2016

Newark, NJ

- Lead a team to develop and redesign the GS LSAMP website in a LAMP environment
- Created an RSVP feature and an online timesheet with email confirmation using SendGrid API

SKILLS

- Programming Languages: Java, PHP, JavaScript, Python, C, C++, Go
- Web Technologies: Flask, Django, Wordpress, Express, Spring
- Databases: MySQL, MongoDB, MS SQL, Oracle
- OS/Platforms: Windows Server & Workstation, Linux

PROJECTS

Linux

Express, Electron, React, MongoDB

- Chrome Extension and desktop application that allows users to learn a new language by watching Netflix
- Accepted into AngelHack's 12-week accelerator program

Phishly

TensorFlow, Flask, MySQL

- Platform that allows companies to test and train their employees to detect and prevent social engineering attacks

Salus Mind

Keras, OpenCV, Twitter API, Facebook API, Gmail API

- Service that allows institutions like schools to be informed of their students' mental health based on the content of all their social media feeds without jeopardizing their privacy

AWARDS

1st Place CUNY Hack

IBM Watson, Google Drive API

- Web application using NLP that generates notes by aggregating all notes in the classroom

2nd Place HackNJIT

OpenCV, Microsoft Cognitive Services, Keras

- Android application using computer vision and NLP to help people take the right medication

3rd Place HackNY

Flask, MongoDB, Paypal API

- Android application that allows users to buy and sell mobile hotspot data through tethering

ACTIVITIES

New York Tech Meetup

Presenter

- Presented Android application, Peer Wi, to a theater packed with local technologists