Carlin Au

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Education

Rutgers, The State University of New Jersey - New Brunswick   *Expected October 2017*

Pursuing Bachelor of Arts in Computer Science & Information Technology and Informatics

Skills

Languages

Java, C, Javascript, Python, SQL, HTML, CSS

Frameworks

Node.JS, Express, Socket.IO, Flask

Software

Git, AWS, bash, Unity3D, MongoDB, MySQL, SQLite3, Jenkins, Ubuntu, Arch

Experience

SightLogix   *May 2016 - August 2016*

Software Engineering Intern

- Designed and built the framework of the backend for Coordination System 2 in Node.JS.
- Handled auto-discovery of cameras using ONVIF and Service Location Protocol.
- Built a server that listens for three different types of messages and assigns them into queues based on content.
- Architected a system to pass critical camera messages to the client in real-time using Socket.IO.

SightLogix   *May 2015 - August 2015*

Software Engineering Intern

- Rebuilt a regression testing tool that compared metadata recorded from cameras written in C, Bash, and Python.
- Dove into camera source code and learned a lot about pointer arithmetic and assembly.
- Integrated the testing tool with Jenkins as a post-build action within nightly builds.

Projects

OrdrIn

Winner of Best Use of Amazon Web Services at HackNY Fall 2016

A service built with Node.js and Express using Twilio, Clarifai, and EatStreet APIs where users can take pictures of food and order them automatically from a restaurant nearby.

GitLove

Winner of Best Valentine's Day Hack at HackBU 2016

An application built with Python and Flask that matches a user with other GitHub users based on their most used languages in their repositories.

CrowsVR

Built at Battle of the Hacks 2016

Based on a location and given radius (in miles), we do sentiment analysis on tweets from that area and generate a filter on an environment viewable through an Oculus Rift.

Extracurricular Activities

HackRU   *July 2015 - Present*

Executive Director 2016-Present

- Coordinated eight teams to organize a 600-person event on a budget of $35,000.
- Operated as the liaison between HackRU and Rutgers University Administration to implement new features.
- Formed the Architects team with the mission of building software to benefit HackRU, student life on campus, and open source projects.
- Oversaw the launch and development of 4 projects in a 4 month development cycle.

Director of Marketing 2015-2016

- Responsible for the design and development of the website.
- Led social media campaigns to increase visibility for HackRU on Facebook, Twitter, and Snapchat.