Carlin Au

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Education

Rutgers, The State University of New Jersey - New Brunswick   *Expected May 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, Mongoose, Socket.IO, async, PassportJS, EmbeddedJS, Flask

Software

Git, GitHub, heroku, AWS, bash, Unity Engine, 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

- Revived a firmware testing tool designed for 32-bit systems to be compatible with 64-bit systems and previous versions of firmware.
- Fixed a coordination system simulator that can be repurposed for other tools.
- Integrated the testing tool with Jenkins as a post-build action.

Projects

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.

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.

Extracurricular Activities

Undergraduate Student Alliance of Computer Scientists - HackRU   *May 2016 - Present*

Executive Director

- 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.

Undergraduate Student Alliance of Computer Scientists - HackRU   *July 2015 - May 2016*

Director of Marketing

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