



Education

Rutgers, The State University of New Jersey - New Brunswick

October 2017

Bachelor of Arts in Computer Science & Information Technology and Informatics

Experience

iCIMS

November 2017 - Present

Software Engineer

- Functioned as a member of an Agile team in a Scrum setting and took tickets in JIRA.
- Created a client library to interact with internal REST APIs using Node.js to be used on micro services.
- Built a framework around Deque Systems' aXe library to help find accessibility violations across iCIMS products.
- Maintained the iCIMS Hackathon API & Documentation site, and helped developers on-site with using the API.

SightLogix

May 2016 - August 2016

Software Engineering Intern

- Designed and built the backend for a remote camera configuration tool with Node.js and Express.
- Handled auto-discovery of cameras using ONVIF and Service Location Protocol.
- Created a server system to pass critical camera messages to clients in real-time using Socket.io.

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

Projects

Camelot

<http://hackru.carlinau.me>

A web application built with Node.js and MongoDB which handles HackRU's registration, attendee confirmation, user dashboards, and data collection. It manages over 1500 users and 600 attendees concurrently during HackRU.

passport-mymhlh

<https://www.npmjs.com/package/passport-mymhlh>

A npm module that fits within Passport, an ecosystem which simplifies OAuth 2.0 for web applications built with Node.js. This package is a strategy for authenticating with Major League Hacking's MyMLH service.

OrdrIn

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

SMS-based service built with Node.js and Express using Twilio, Clarifai, and EatStreet APIs where users can order food from nearby restaurants solely through photo recognition.

Leadership

HackRU

July 2015 - June 2017

Executive Director 2016-2017

- Coordinated 8 teams to organize events with 600+ attendees on a budget of \$35,000.
- Operated as the liaison between HackRU and Rutgers University Administration to implement new features such as an data collection of attendees and an improved contract system for sponsors.
- Formed the Research & Development team, a team of 11 students, 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, such as Camelot.

Director of Marketing 2015-2016

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