John Behnke

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EDUCATION

Rensselaer Polytechnic Institute (RPI), Troy, NY   May 2017

Bachelor of Science in Computer Science   GPA: 3.76/4.0

- Relevant Coursework: Data Structures, Introduction to Algorithms, Operating Systems, Programming Languages, Database Systems, Network Programming, Software Documentation and Design, Distributed Systems and Algorithms, Cryptography and Network Security I, Graph Theory
- Honors: The Rensselaer Medal; Dean's List; Magna Cum Laude

SKILLS

Programming Languages: Python, C++, Swift, C, Java, Javascript, Typescript, Go, Bash

Operating Systems/Platforms: macOS, iOS Development, Android Development, Linux, tvOS, AWS, IBM Cloud

EXPERIENCE

IBM

Software Developer   June 2017 - Current

- Revamped an existing IBM product using a modern technologies such as React, RabbitMQ, MongoDB, NodeJS
- Worked to create a backend in Java for a centralized catalog of applications available to all IBM employees
- Actively creating an internal CMS and infrastructure for IBM clients to manage large bodies of content

Software Developer Intern   June-August 2016

- Created a RESTful API backend in NodeJS/Express for an email digest service and integrated it into an existing front-end
- Created a tvOS application and a RESTful API backend in Kitura for an IBM product
- Worked in an Agile team based environment using tools such as Github, Slack, Mural

Code U Mentorship Program   March-August 2015

Participant

- Worked under the guidance of a Google engineering mentor on a series of technical exercises focusing on data structures and algorithms
- Completed Udacity's Developing Android Apps course, worked with two other participants to create a crowd sourced tutor finder called "StuddyBuddy" in two weeks

Rensselaer Polytechnic Institute, Office of Residence Life   Fall 2015-Spring 2017

Resident Director

- Oversee a First Year Residence Hall on Campus of 150 residents and 4 student staff
- Ensure that the residence hall remains a safe environment for students
- Complete room checks, incident reports, fire safety checks, and evaluations

PROJECTS

RPI Tours

- Lead iOS developer on an open-source iOS application in Swift designed to allow prospective students, returning alumni, or anyone interested about RPI to go on self-guided tours of RPI's campus. Currently in active development

RRS Payload

- Co-Developer of an open-source, Arduino based, payload for a competition rocket for the Rensselaer Rocket Society (RRS). The payload gathers pressure, humidity, temperature, gyroscopic, acceleration, GPS, and altitude data in real time and relays it back to a ground station.

ACTIVITIES/LEADERSHIP

Rensselaer Rocket Society (RRS)   Fall 2013-Spring 2017

- President (Fall 2014 - Spring 2015)

Rensselaer Center for Open Source (RCOS)   Fall 2014-Spring 2017

- Active member in community for developing open-source applications/tools that can solve societal problems.
- Former project mentor on several different open source projects