

EDUCATION

Purdue University / Spring 2021

3.71/4.00 GPA - Dean's List

B.S. in Computer Science with a focus on Software Engineering

Certificate in Entrepreneurship and Innovation

Relevant Coursework / Ranked by Importance

Data Structures & Algorithms, Operating Systems, Systems

Programming, Software Engineering, Software Testing

SKILLS

Proficient Languages

Java, C++, JavaScript (React/Redux, Jest, React Native, Node.js), Python, C, SQL

Development Tools

Git, Docker, Amazon Web Services, Google Cloud Platform, IBM Cloud

EXPERIENCE

IBM / Cloud and Cognitive Software Developer Intern

June 2020 - Present

- > Designed and built a visualizer in React that illustrates the impact of adding or removing a data protection rule to an IBM Cloud asset so that users can make informed decisions about permissions
- > Created new Java APIs to perform the calculations that are needed for the impact analyzer
- > Updated outdated Java packages and removed unused ones to keep the codebase current and clean

IBM / Full Stack Developer Intern

May 2019 - December 2019

- > Extended back end API capabilities of the Watson Knowledge Catalog microservice to allow users to manage assets in governance categories
- > Contributed new, production-level components to the React front end and corrected design implementation flaws
- > Fixed 94 broken Jest unit test cases to enhance software problem identification

Pulse Voter / Software Engineering Intern

May 2018 - August 2018

- > Worked with an agile team to integrate a REST API, advanced data export, interactive map of voters, bill statistics, and constituent profiles that helped connect voters with their representatives
- > Established an internal tool to streamline large SQL data input and manipulation as a side project

PROJECTS

VLRNT / Personal Project

June 2020 - Present

Python, Redis, Google Cloud Platform, Docker

- > Independently built a containerized Discord bot that accesses the VALORANT API to provide statistics, agent information, the latest patch notes, a community tier list, and more to servers
- > Maintains an average of 2000 daily active users in 50 communities

Oculus / HackXD Hackathon Project

Sep 2019 - Jan 2020

JavaScript, Python, Flask

- > Implemented a Chrome extension that uses natural language processing to read the terms of service and tell users what data is being tracked or sold
- > Won first place, most technical, and best UX at HackXD 2019

Programmers of Catan / IBM Hackathon Project

July 2019

JavaScript, React Native, Python, Flask, IBM Cloud

- > Developed an application that utilizes computer vision and machine learning to suggest the most optimal opening move in the board game Catan
- > Acted as team leader, created the front end in React Native, and integrated back end algorithms with the front end