

**EDUCATION**

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**Purdue University / Spring 2021**

3.77/4.00 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**

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**Languages / Ranked by Preference**

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

**Development Tools**

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

**EXPERIENCE**

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**IBM / Software Engineer****August 2021 – Present**

- › Works on the team that develops the IBM Cloud rule engine which allows users to control data access
- › Utilized boolean algebra and tree traversal algorithms to create a Java API that converts abstract rules to discrete ones
- › Extended the caching layer to support values for a new type of data protection rule

**IBM / Cloud and Cognitive Software Developer Intern****June 2020 – August 2020**

- › Built a visualizer that utilizes Java APIs to illustrate the impact of adding or removing data protection rules to an IBM Cloud catalog, enabling users to make informed decisions about permissions
- › Created a new Java API that determines if a data protection rule is structurally similar to another one (or any of its variants) to reduce the amount of rules stored

**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

**PROJECTS**

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**VLRNT / Personal Project****June 2020 – July 2020****Java, Redis, Heroku, Docker**

- › Independently built a containerized Discord bot for VALORANT to provide agent information, the latest patch notes, a community tier list, and more to servers
- › Maintained an average of 5000 daily active users in 50 communities

**Oculus / Hackathon Project****September 2019 – January 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