

## Education

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BS, Computer Science – **3.91 GPA**

University of Cincinnati – Class of 2020

## Work Experience

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### Application Development Intern

Great American Insurance (Summer 2016 - Present)

- Contributed features to a client-facing web application for enrolling specialty assets in insurance policies
- **Decreased search time 10x** using microservice architecture and message queuing
- Integrated within **Scrum** developer team to plan and pull down tasks

### Web Development Intern

University of Cincinnati IT (Fall 2015 - Spring 2016)

- Redesigned website to use responsive design and **live-updating content** with jQuery and [Yahoo Query Language](#)

### Business Intelligence Intern

LP Enterprises LLC (Spring - Fall 2015)

- Created automated custom reports in Microsoft Reporting Services
- Migrated existing reports from SQL Server 2008 - SQL Server 2015

### IT Committee

INTERalliance Leadership Council (Fall 2013 - Summer 2015)

- Organized and hosted TechOlympics 2014 and 2015, the **largest technology event for middle and high-school students in the United States**, with technology competitions and sessions by industry professionals in the Cincinnati area
- Rebuilt a 2500-user database using automated processes to **reduce normalization time >100x**

### B2B Intern

Life Technologies (Summer 2013)

- Debugged and pushed live multiple features of internal e-commerce business-to-business system

## Projects

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### GE GhostRed Winner

Utilized **Shodan**, **protocol analysis**, and a **hex editor** to locate legacy GE devices publicly available on the Internet without adequate security

### Spotkov - Spotify Playlist Generator (located at [spotkov.com](http://spotkov.com))

- Created **Markov chains** with the listener's play history to determine songs that she would like to hear
- Uses **Go** and **Redis** for high performance and quick caching, **deployed on Heroku** for simplicity

## Tools and Languages

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**C# .NET, Angular, RabbitMQ** – financial application using message queues for asynchronous, high throughput processing

**Go, Redis** – custom web server with high async usage and cached data structures for quick generation of data

**Python** – [Advent of Code](#) (yearly coding challenge consisting of simple to advanced problems), big data analysis using Reddit submissions

**React Native** – mobile to-do app

[Vue.js](#) – web application with live-updating views and responsive design

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