

Christopher M. DeRoche

github.com/compact-disc | cdero.com

EDUCATION

Indiana University, Bloomington, Indiana

May 2021

Bachelor of Science in Computer Science (Minor in Business)

- **Specialization:** Systems
- **Relevant Coursework:** Data Structures, Computer Structures, Computer Networks, SQL Programming, System Programming with C and UNIX, Mobile App Development, Distributed Systems
- **Awards:** Luddy School of Informatics, Computing, and Engineering Dean's List – Spring 2020

EXPERIENCE

UITS Technology Center Consulting, Bloomington, Indiana

August 2019 – December 2019

Consultant

- Delivered direct support to customers of the Student Technology Centers.
- Provided technical assistance relating to software applications, reporting software and hardware issues, resolving printer problems, monitoring supplies, and maintaining the lab environment.

Best Buy, Fort Wayne, Indiana

August 2015 – August 2018

Sales Consultant

- Developed, maintained, and communicated strong, up-to-date knowledge of products and services.
- Demonstrated advanced knowledge in computers, televisions, household appliances, and general consumer technologies.
- Engaged customers using selling skills to build complex, connected solutions in a fast-paced, dynamic environment.

TECHNICAL SKILLS

- **Languages:** Java, Python, C, C#, SQL, Swift, Assembly
- **Platforms:** Microsoft Windows, Mac-OS, UNIX/Linux, VMware ESXi, Docker
- **Web Development:** HTML, JavaScript, CSS
- **Networking:** Cisco IOS, Cisco Packet Tracer
- **Tools:** Git, Eclipse, Visual Studio, Vim, PuTTY, WinSCP, XCode, MySQL/MariaDB, PyCharm
- **Miscellaneous:** Microsoft Office (Word, Excel, Power Point, Access), Adobe Suite (Photoshop, Premiere, Illustrator)

PROJECTS

Guardian Angel:

August 2019 – May 2020

- Undergraduate Independent Study Project at Indiana University-Bloomington for credit.
- Created using Spring Boot Framework, Thymeleaf, Twitter4J, Stanford Core NLP, Auth0, Cloudinary, XChart, Java, SQL, HTML, and CSS.
- An online tool to analyze Twitter activity for sentiment and visually report the results to users.

Status:

May 2020

- Created using the Spring Boot Framework, Java, HTML, and CSS.
- Used to monitor and display the status of services on a network via web browser.

Auto Clicker:

July 2020

- Created using C#, Windows Forms, and .NET Framework.
- Used to click a mouse on a set interval while importing user DLL files to run system wide hotkeys for program control.

Data Center:

October 2016 – Present

- Used for practice with virtualization, system administration, networking, and private game servers.
- Running Apache, MariaDB, VMware ESXi, Docker, FreeNAS, Linux, Plex Media, and other virtual machines.

Map Reduce

March 2021

- Created using Python 3, Multiprocessing, and XML-RPC for a Distributed Systems course.
- Used to run Word Count and Inverted Index on data sets by mapping, shuffling, and reducing the data.

STUDENT ACTIVITIES

Gaming at IU Club, Bloomington, Indiana

August 2018 – May 2021

Officer

- **Technical Support:** Assisted in the technical side of Twitch streaming and setup.
- **Game Server Development:** Developed and maintained the Gaming at IU Club's community Minecraft server.
- **Student Recruitment:** Attended student outreach events and discussed club activities to prospective members.