

Ryan Ehmann

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EDUCATION

Elizabethtown College, Elizabethtown, PA

Bachelor of Science in **Computer Science**

May. 2022

GPA: 2.9

Relevant Coursework

Data Structures, Systems Programming, Software Engineering, Database Systems, Computer Security
Microcomputer Architecture, Algorithms, Creative Problem Solving, Probability & Statistics, Advanced SQL,
Data Science, Data Analytics

Skills: C, Java, Python, Html 5, CSS, SQL, Windows, Linux, Unix, Git, Agile, IDE's (Eclipse & VS Code), CMS
(OU campus)

PROGRAMMING PROJECTS

Vaulted Project, Elizabethtown College

Jan. 2021 - May. 2021

- A software engineering class group desktop application
- Uses HTML, CSS, PHP, SQL, and JS
- Collaborated with other students to create a working desktop password manager with Bluefish and Electron

Database Class Project

Aug. 2019 – Dec 2019

- Created database with real-time data
- Ran SQL scripts to fulfill project requirements
- Created diagrams to explain the structure of the database

Data Analytics: Using SQL, created ERD Diagrams and presented to business students

Data Structures: Using Java, learned data types and various uses

Systems Programming: Using C, created integral calculator

Tic Tac Toe Game: Using Python, programmed simulated game with visual aspect

Minesweeper Game: Using Java, programmed interactive game

Encryption Projects: Using Python and Java created ciphers and encryption algorithms for security

EXPERIENCE

Student Front End Web-Developer, Elizabethtown College

Oct. 2020 - Present

- Helped Manage the Elizabethtown College website relaunch. Worked directly with marketing in creating new pages to grow the college
- Built multiple pages
- Refurbished outdated pages
- Created components to use within the CMS

LEADERSHIP

Summer Camp Instructor, Customized Tutoring Services, Lewisburg, PA

Summer 2019

- Created a syllabus to teach middle school students the basics of Java programming
- Demonstrated the logic and creative problem-solving skills to code the game minesweeper

Eagle Scout, Boy Scouts of America

March 2017

- Attained highest rank in scouting, performing service and projects

Volunteer, Evangelical Community Hospital

Summers 2012-2017

- Assist pharmacy with inventory organization