5500 Wabash Avenue, Box 401
Terre Haute, IN 47803

Christian Meinzen

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Objective: Obtain experience in the field of computer science through a summer internship

Education:

Bachelor of Science, Computer Science – *Mathematics double major* May 2022
Rose-Hulman Institute of Technology, Terre Haute, IN **GPA: 3.47/4.0**

Skills:

Object-Oriented programming: Java, C, C++
Web-design: HTML 5, JavaScript, CSS, SQL Server
Statistical Analysis: R-code, Python, MATLAB
Assembly/Architecture: MIPS, Verilog
Command Line: Git Bash, Linux

Related Courses: Data Structures and Algorithm Analysis, Deterministic Operations Research
Programming Language Concepts, Probability with Statistics Application, Introduction to Databases

Experience:

Tiger Electronic Display Project, Volunteer employee, Edwardsville, IL 2017-2018

- Created a 50-inch computer-based, touchscreen kiosk for Edwardsville High School
- Developed Linux and JavaScript code to restrict Firefox and user interface settings for local-visitor use only
- Provided visitors information about the high school and local community
- Resulted in better community connection and attendance at high school and local events

MyRose-Hulman, Website, Team project, Edwardsville, IL Winter 2019

- Constructed 10-week website project with connected backend to SQL Server
- Organized team milestones and individual checkpoints for efficiency and effectiveness
- Built a frontend website using HTML, CSS, and JavaScript connected to a backend server using Python Flask
- Incorporated encryption and basic machine learning algorithms using object-oriented Java code

Cryptography, Solo Project Spring 2019

- Developed Java code to efficiently create SHA-512 encrypted messages
- Implement hash methods to take input message of any length and output a 512-bit hexadecimal encryption
- Demonstrated advanced hashing and block chaining algorithms

Intro to Probability with Statistics Application, Partner Project Winter 2018

- Designed an algorithm to efficiently search for a song within a mixed array
- Used statistical analysis and probability generating functions to map out expected values for the runtime
- Created a simulation of multiple instances by using R-code

Activities:

Rose-Hulman Accelerated Math Physics Program, *Counselor*
Rose-Hulman Residence Life, *Sophomore Advisor*
Personal Home Server, *Developer and Manager*
RHIT Resident Hall Association, *Exec. Board On-campus Chair*

Honors:

Jack Elam Outstanding Math Team Student Award
Rose-Hulman Merit Scholarship