OLIVIA "ADDI" PENRY

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OBJECTIVE

To secure a full-time position in the field of computer science or software engineering.

EDUCATION

Bachelor of Science in Computer Science   **May 2020**
Rose-Hulman Institute of Technology, Terre Haute, IN   GPA: 2.97 | Major GPA: 3.14

Related courses: Object Oriented Programming, Data Structure and Algorithm Analysis, Databases, Operating Systems, Computer Architecture, Data Mining, Advanced Database Systems, Software Design, Parallel Computing, Senior Project

SKILLS

Coding Languages: Java, Python, SQL, HTML, C, PHP, Markdown, Scheme, MIPS Assembly, JavaScript, D3
Databases/Tools: MongoDB, REDIS, Neo4j, Microsoft SQL Server, Eclipse, Sublime Text, Microsoft Visual Studios, Balsamiq, Sharepoint, Unity
Foreign Languages: Basic Japanese and French

PROJECTS

"COVID-19 Tracker" – Advanced Database Systems Class Project   **Spring 2019-20**
Rose-Hulman Institute of Technology, Terre Haute, IN
- Installed a Druid database cluster across three virtual machines and configured each to run either a master, data, or query server
- Queried MongoDB, Druid, and REDIS NoSQL databases from both a command line and a Python front end
- Connected REDIS to MongoDB and Druid to server as a middle caching layer

"CourseUp" – Senior Project   **Aug 2019 – May 2020**
Rose-Hulman Institute of Technology, Terre Haute, IN
- Built a calendar grid in PHP that outputs an HTML displayed on a website
- Integrated features into existing code base in GitHub
- Tested and deployed the project on Mac, Windows, and Linux operating systems
- Link to the code base: https://github.com/KixorTech/CourseUp/tree/staging

Software Design Class Project   **Winter 2018-19**
Rose-Hulman Institute of Technology, Terre Haute, IN
- Designed and implemented a Java application that accepts Java file(s) and outputs a corresponding UML diagram
- Detected design patterns existing in Java file(s) and annotated them on a UML

WORK HISTORY

CSSE120 Teaching Assistant   **Aug 2018 – Feb 2019**
Rose-Hulman Institute of Technology, Terre Haute, IN
- Communicated Python coding basics such as writing methods to beginner students
- Mentored students in-class to better understand thoughtful coding as outlined in course material

Academic Affairs Student Worker   **Aug 2017 – March 2020**
Rose-Hulman Institute of Technology, Terre Haute, IN
- Brainstormed solutions that simplify the process for a student to order poster printing and presented proposed solutions to the client
- Developed a Microsoft Power App used on RHIT's Sharepoint intranet site that allows students to input order details, search for another user within the company, and launch Outlook with all given information

ACTIVITIES AND AWARDS

RHIT Dean's List	Spring 2017, Fall 2018, Spring 2018
Radio Club	2017
Outdoor Skills Club	2016-17
L.E.A.D. (Leadership Academy)	2016
Society of Women Engineers	2016
Delta Delta Delta Sorority	2016