

ADDI PENRY



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relocating to
Raleigh, NC

Skills

Coding Languages

Java

●●●●○

Advanced

Python

●●●●○

Advanced

SQL

●●●●○

Advanced

HTML/CSS

●●●○○

Intermediate

C

●●●○○

Intermediate

PHP

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Intermediate

Experience with:

Markdown, Scheme,
MIPS Assembly,
JavaScript, D3

Databases/Tools

MongoDB

PyMongo

REDIS

Druid

PyDruid

Microsoft SQL Server

Eclipse

Sublime Text

Balsamiq

Sharepoint

Unity

Languages

Japanese

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Basic

French

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Near Conversational

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, Advanced Databases, Operating Systems, Computer Architecture, Data Mining, Software Design, Parallel Computing

Projects

"COVID-19 Tracker" – Advanced Databases Class Project

Spring 2020

Rose-Hulman Institute of Technology, Terre Haute, IN

- Installed a Druid database cluster across three virtual machines and configured each to run different servers
- Queried MongoDB, Druid, and REDIS NoSQL databases from both a command line and a Python front end
- Connected REDIS to MongoDB and Druid to serve 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 code: <https://github.com/KixorTech/CourseUp/tree/staging>

Software Design Class Project

Winter 2018-2019

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 – Mar 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, Spring 2018, Fall 2018

Radio Club

2017

Outdoor Skills Club

2016-2017

Leadership Academy

2016

Society of Women Engineers

2016

Delta Delta Delta Sorority

2016