# ADDI PENRY

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## Skills

### Coding Languages

Java
●●●●○
Advanced

Python
●●●●○
Advanced

SQL
●●●●○
Advanced

HTML/CSS
●●●○○
Intermediate

C
●●●○○
Intermediate

PHP
●●●○○
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
●○○○○
Basic

French
●●○○○
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

<u>Related courses:</u> 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

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|---|---|
| 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** |