

Rygin Jireh Liceralde

powered by
launch_code

SOFTWARE ENGINEER IN ST. LOUIS, MO

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I care about the safety of our information and security of applications we use on a daily basis. By attaining a better understanding of the underlying frameworks and code practices of different programs, I strive to create and implement secure applications that people would not fear of using due to data breach..

LANGUAGES	FRAMEWORKS	DATABASES	TOOLS
<ul style="list-style-type: none">• C++• Java• Python	<ul style="list-style-type: none">• C• Javascript• HTML5/CSS3	<ul style="list-style-type: none">• Spring Boot• AngularJS	<ul style="list-style-type: none">• MySQL• Oracle
<ul style="list-style-type: none">• IntelliJ• Eclipse• Spyder• SSH			

EDUCATION

LaunchCode, LC101 Programming Course — 2020

University of Missouri-St. Louis, B.S. Computer Science — 2018

PROJECT EXPERIENCE

Inventory Tracker — Web-based Application

- Simple web-based application that businesses can use to keep track of inventory stocks
- Notifies the company or users with higher privilege when items are running low on quantity
- Keeps track of changes made by users via CRUD to a MySQL database and can be exported out as a log file

Cozmo Color Finder — Python-coded Robot Program

- Child-friendly game programmed on the robot, Cozmo
- Tests children's knowledge of complementary and secondary color
- Uses modified code of Color Finder from developer, Anki

Password Breaker — Software Security Brute-Force Attack

- Coded a program that brute-forces alphanumeric passwords of certain length in C++
- Calculates the time needed to brute force plaintext, hashed, and salted hash passwords
- Hashed Passwords are significantly easier to crack compared to non-optimal Salted Hash Passwords

WORK EXPERIENCE

Boeing Explorer Program, Boeing, St. Louis, MO, 2011-2012

- Team-building exercises were assigned to understand and enhance each person's engineering design process
- Constructed solutions to efficiently complete Boeing's Engineering Tasks

