# LS Quinn Rouse

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## EDUCATION

### PURDUE UNIVERSITY
BS in Computer Science
& BA in Philosophy
May 2023 | West Lafayette, IN
College of Science & College of Liberal Arts
GPA: 3.6 / 4.0

### ST. XAVIER HIGH SCHOOL
Graduated with the Computer Science Department Book Award
August 2015 - May 2019 | Cincinnati, OH

## COURSEWORK

### COMPLETED
Object Oriented Programming
Programming in C
Foundations of Computer Science
Principles of Logic
Data Structures and Algorithms
Computer Architecture
Software Engineering 1
Systems Programming

### IN PROGRESS
Computer Security
Introduction to the Analysis of Algorithms

## SKILLS

### PROGRAMMING
Language (Familiarity)
Python (4/5)
Java (4/5)
SQL/PostgreSQL (4/5)
HTML/CSS/JS (4/5)
Node.Js (4/5)
C (3/5)
C++ (3/5)
C # (2/5)
R (1/5)

### SOFTWARE/TOOLS
Azure Devops
Git/Github
Heroku/AWS
Linux
Microsoft SQL Server

## EXPERIENCE

### TOTAL QUALITY LOGISTICS
QA Automation Intern
May 2021 - Present | Cincinnati, OH
- Created > 100 automated API tests and refactored/fixed > 50 automated UI tests in an Agile Scrum Environment
- Implemented requested changes to a data creation tool to improve functionality, and added extra functionality to automatically generate presets for data insertion.
- Created ALAN, a tool to automatically find untested elements on a website and then generate simple test cases for them, as well as notify QA Engineers of untested elements so they can create more complicated tests if necessary.

### AMERICAN MODERN INSURANCE GROUP
Automation Solutions Intern
May 2020 - August 2020 | Cincinnati, OH
- Gathered data from RPA processes being run by various teams and created database functions and stored procedures to properly manipulate data
- Created dashboards for managers to view in order to gain business insights from that data.

## PROJECTS

### ALAN: AUTOMATIC LOCATOR AND NAMER
May 2021 - Present | TQL Internship Project | C#.NET, Python
- Automation tool that parses websites to determine which elements on a page are untested
- Uses a machine learning model to generate a variable name, then adds a simple test to the test suite using that name.
- Discovered 14% of elements currently in a test suite were untested, as well as increased the amount of elements found by 60% over a whole web application

### MULTIBOARD
Feb 2021 - May 2021 | Software Engineering Class Project | Node.js, PostgreSQL
- Worked with a team using Scrum methodology to develop a web application that allowed users to program and play board games created by themselves and others online.
- In addition to a web app to host those games, we created a Node.js API to provide users functionality to more easily program their own games.

### STOCK SENTIMENT ANALYZER
Dec 2020 – March 2021 | Personal Project | Python, Node.js, MySQL
- Web scraper that searches popular online stock discussion websites and uses machine learning to determine the sentiment of a post towards a stock.
- Created a UI for the tool to gain insights from that data, and hosted it on Heroku, a web hosting service powered by AWS.

## AWARDS

### TQL IT HACKATHON
- Placed 5th in the first ever TQL IT Hackathon with a group of other interns
- Created a web application to improve company culture by providing employees a place to schedule and share fun events for anyone to participate in.