

# BRANDON RICHARDS

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## EDUCATION

### BACHELOR'S OF COMPUTER SCIENCE

MAY 2023

Towson University, Towson, MD

## TECHNICAL SKILLS

### LANGUAGES:

- Python | Java 7 | HTML | Pascal | CSS | JavaScript | C | GO

### SOFTWARE/Framework:

- IntelliJ | Vaadin | Colly | Pros Vex Editor | VS Code | Tableau | Git | Figma | BitBucket

### CERTIFICATIONS:

- CompTIA IT Fundamentals

## RELEVANT COMPUTER SCIENCE PROJECTS

### VEHICLE REGISTRATION PROJECT (JAVA)

2021

- Constructed and Assembled a Vehicle Rental Program which incorporated linked lists, nodes, user input and abstract classes.

### ProDA WEBSITE(Vaadin Framework, MySql)

2022

- Created a website for the purpose of improving the employee to employer connection.
- The initial release has a login page, database of sample employees and basic employee page.

### WEBSITE PROJECT (JavaScript, CSS, HTML)

2023

- Developed and designed a touring website based of a musician.
- Implemented an interactive shopping page with a responsive and interactive cart.

### WEB SCRAPPER – (GO, GOQUERY, COLLY FRAMEWORK)

2023

- Created an intermediate web scraper that grabs product information.
- Stores the data in an easy-to-understand JSON file.

## EMPLOYMENT

### MERCHANDISE ASSOCIATE

TJ MAXX

JULY 2021 – OCTOBER 2021

- Accurately process and prepare merchandise for the sales floor following company standards.

### LAB MONITOR

TOWSON UNIVERSITY

NOVEMBER 2021 – MAY 2022

- Assisted and resolved student's computer and printer problems.

## RELEVANT COURSEWORK

### DATA STRUCTURES AND ALGORITHM ANALYSIS

- Implemented and Analyzed list, stacks, queues, red-black trees and searching algorithms, extensively examined the Big O notation of loops.

### SOFTWARE ENGINEERING

- Formed a group and created an initial product over multiple sprints, SCRUM meetings and development cycles.
- Learned proper use case acquiring, quality assurance and risk management.

### OBJECT-ORIENTED PROGRAMMING

- Learned about three features of OO Design, three main types of design patterns.
- Wrote and implemented the main OO design patterns like Singleton and Decorator

## CAMPUS INVOLVEMENT AND ACTIVITIES

Vice President and Co-founder of the Towson Robotics Club

NSBE Member

HopHacks, MedHacks 2022