

Christian Rodriguez

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Education

University of North Georgia

Dahlonega, GA

Bachelor of Science in Computer Science

Coursework:

- Software Engineering
- Mobile App Development
- Computer Architecture
- Data Structures & Algorithms
- Discrete Mathematics
- Reverse Engineering
- Information Security
- Web Development

Projects

Hit The Bennies Mobile-App

<https://rb.gy/rrk1eg>

- Designed and developed the framework for the game within the application
- Co-developed the logic behind the game, includes countdown timer and moles vanishing
- Using the Android Studio IDE, we were able to use embedded Java classes to implement count down timers, media players, and any more application functions

Company Site Sample

<https://rb.gy/wr5j6u>

- Developed and designed a website that functions as a business site to display past jobs from clients through slideshow and gallery, contact the company through email form, and more
- This site utilized fundamental HTML, CSS, PHP, and JavaScript components as well as use tools such as google charts and leaflet map

Handwritten Digit Recognition

<https://rb.gy/qcjsxwa>

- Created and trained an artificial neural-network system to take in an image of handwritten digit and through recognition output the identified digit from the image
- Artificial neural-network system was constructed using MATLAB

Interactive Movie Database

<https://rb.gy/h1y3ox>

- Co-developed an interactive database, using Java GUI, that allows users to search though data using built in SQL selections or custom parameters
- Was tasked with scripting SQL queries and co-designing the GUI window

Student Registration

<https://rb.gy/slyo96>

- Developed methods for an interactive student registration database system that allows a user to create and delete student objects, insert, and remove the objects from courses, and display the instructors, enrolled students, and waitlist students from a course
- This project demonstrates inheritance and polymorphism used in programming

Involvement

Cyber Hawks

2019-2022

Member/Tutor

- Assisted students with fundamental concepts in object-oriented design and web programming
- Placed Top 2 as a University in the NSA Code-Breaker Challenge from 2020-2021

Work Experience

Ethicon Inc.

2022-Present

Molding Technician

- Operate molding machinery and preform quality assurance testing on manufactured parts to ensure all molded products meet industry standards

Technical Skills

Languages: Java, JavaScript, Python, HTML, CSS, PHP, JQuery

Tools: React, SQL, Unix, Kali, MATLAB, Ghidra, Olydb