

Ryan Elizondo-Fallas

Cell: 201-560-6041 | Email: ryanelizondo10@gmail.com | LinkedIn: www.linkedin.com/in/ryanelif | GitHub: github.com/RyanElizondo

EDUCATION

Rutgers University, New Brunswick, NJ

September 2021 – May 2024

B.S. in Electrical and Computer Engineering with a minor in Computer Science | GPA: 3.06/4.00

- Study Abroad Program: Ewha Women's University, Seoul, South Korea | GPA: 4.15/4.30

Relevant Courses: Digital Logic Design, Linear Systems & Signals, Principles of EE I & II, Computer Architecture & Assembly Language

Bergen Community College, Paramus, NJ

September 2020 – May 2021

A.S. in Engineering Sciences | GPA: 3.71/4.00

WORK EXPERIENCE

Neilson Dining Hall, New Brunswick, NJ

September 2022 – Present

Student Employee

- Aid in the maintenance & cleanliness of the dining hall to provide a safe and clean environment for students and guests to dine in.
- Communicate effectively & work with a team of students & full times to ensure the smooth operation of the dining hall.

Bergen New Bridge Medical Center, Paramus, NJ

January 2021- August 2021

Data Entry Specialist

- Provided support to the Quality & Safety Department by developing chart audits and spreadsheets to collect and organize data that would be used for the education of staff to prevent fall outs and unnecessary incidents, improving the overall experience of the patient.
- Contributed to the Covid-19 Vaccine Distribution Team by ensuring patient data was accurately inputted into the hospital system and check-in/check-out processes were performed efficiently to improve patient and staff safety.

TECHNICAL SKILLS

Programming Languages

Java, Swift, HTML, CSS, JavaScript, MATLAB, RISC V

Software & Tools

VSCode, IntelliJ, XCode, Android Studio, GitHub, SolidWorks, AutoCAD, Inventor, EasyEDA, Revit

Spoken Language

English (Fluent), Spanish (Fluent)

EXTRACURRICULARS

Rutgers Solar Car, New Brunswick, NJ

October 2022 – Present

Electrical Team

- Use EasyEDA for PCB designs of the dashboard of our vehicle that will control headlights, the various meters and led indicators that the driver will use to drive the vehicle safely and properly.
- Read and interpret PCB designs to construct the circuit boards and implement them into the vehicle.
- Must have a good understanding of electrical engineering to ensure the functionality and safety of the circuits we are implementing.

Rutgers IEEE, New Brunswick, NJ

September 2021 – Present

VEXU Build Team

- With tools such as SolidWorks and Simulation we use the engineering design process to 3D model and build a bot specifically designed for the game Vex has lined up for the year.
- Based on our computer-aided designs we begin to make them a reality using the materials provided by vex as well as any custom-made parts created by ourselves either by physically altering vex parts or 3D printing them.

RUMAD Accelerator Program, New Brunswick, NJ

September 2021 – December 2021

- A semester-long accelerator program designed to teach foundational and advanced mobile app design techniques using Apple's Xcode and Swift programming language. Projects built during this period include a Tip Calculator, Custom Login App, Social Starter, Contacts App, and Movie Search App.

PROJECTS

Personal Website (HTML, CSS, JavaScript)

August 2022 – Present

- Website built using HTML, CSS for styling, and JavaScript for functionality. It will consist of 4 pages, Home, Projects, About Me, and Contact Information each with a consistent yet unique design and to be used as another version of my resume to list out my skills, qualities, qualifications, and more.

Tic-Tac-Toe & Stopwatch (Java)

January 2023 – January 2023

- A Tic-Tac-Toe application and Stopwatch application I made to gather the time it took to complete a Tic-Tac-Toe game and ultimately calculate the average length of time for a game. The purpose of this project, besides playing Tic-Tac-Toe and timing the games, was to practice using JFrames, and ActionEvents to create an interactive program from scratch.

Conway Game of Life (Java)

September 2022 – September 2022

- CS112 (Data Structures) Assignment where we were tasked to create Conway's Game of Life, specifically, 10 methods that were integral to the functionality of the game and required advanced knowledge of loops, Array Lists, and the weighted quick union-find algorithm to successfully complete it and pass a total of 212 test cases.

Currency Converter (Java)

May 2022 - June 2022

- A program constructed using Java that converts between 160 different currencies from around the world and utilizes ExchangeRate API to acquire real-time conversion rates for accuracy.

Tip Calculator App (Swift)

October 2021 - November 2021

- Built in Xcode using the Swift programming language and the built-in storyboard feature to design the UI and functionality of a calculator that one can use to accurately determine the amount of tip one must provide at a restaurant.