

Ryan Elizondo-Fallas

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Personal Website: <https://ryanelizondo.github.io/RyanResume.github.io/>

EDUCATION

Rutgers University, New Brunswick, NJ

September 2021 – May 2024

B.S. in Electrical & 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

Bergen Community College, Paramus, NJ

September 2020 – May 2021

A.S. in Engineering Sciences | GPA: 3.19/4.00

TECHNICAL SKILLS

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

Software & Tools: VSCode, IntelliJ, Android Studio, WebStorm, XCode, Postman, Ably, EasyEDA, KnowBe4, SolidWorks, AutoCAD, Inventor

WORK EXPERIENCE

Rutgers University, New Brunswick, NJ

September 2022 – Present

Resident Assistant: August 2023 – Present

- Assist the Residence Life department with student development, administrative tasks, & problem solving.
- Serve as a role model on campus by exhibiting the ability to be an effective listener, provide excellent resources to residents' needs, & always display ethical behavior.

Student Employee: September 2022 – Present

- Collaborating proficiently with a diverse team of students & full-time staff, effectively communicating, & coordinating efforts to ensure the seamless functioning of dining hall operations.
- Contribute to the maintaining & upholding of high standards of cleanliness & hygiene in the dining hall, to foster a safe & pleasant environment for students & guests to enjoy their meals.

IT Summer Intern | Bergen New Bridge Medical Center, Paramus, NJ

May 2023 – August 2023

- Diagnosed hardware failures & executed repairs, significantly reducing equipment downtime, & minimizing disruptions.
- Collaborated with various departments to assess technology needs & recommended appropriate solutions to enhance workflow efficiency.
- Developed & deployed customized phishing email templates using HTML to initiate a phishing campaign, raising awareness of phishing threats, promoting a culture of good cybersecurity practices.
- Worked with the Information Security team to evaluate & enhance security policies, ensuring alignment with industry best practices & regulatory requirements.
- Observed how servers & virtual machines (VM) are administered, PowerShell scripting is used for database updates, server update deployment, & implementation of VMs to ensure redundancy & prevent single-point failures.

Data Entry Specialist | Bergen New Bridge Medical Center, Paramus, NJ

January 2021- August 2021

- Supported the Quality & Safety Department by creating comprehensive chart audits & spreadsheets, facilitating the collection & organization of crucial data. This data would be used to educate staff members, to prevent fall outs & unnecessary incidents, enhancing the overall patient experience.
- Played a key role in the Covid-19 Vaccine Distribution Team, meticulously entering patient data into the hospital system & optimizing check-in/check-out procedures to improve patient & staff safety.

EXTRACURRICULARS

Rutgers Solar Car, New Brunswick, NJ

October 2022 – Present

- Proficient in EasyEDA to create innovative PCB designs for vehicle dashboards & integrate essential components to control headlights, meters, & LED indicators, enhancing driver safety & optimal vehicle operation.
- Skilled in reading & interpreting PCB designs to construct circuit boards tailored to the specific requirements of vehicle dashboards.
- Possess a strong understanding of electrical engineering principles, allowing for the thorough evaluation of circuit designs to ensure the reliability & safety of implemented circuits.

RUMAD Accelerator Program, New Brunswick, NJ

September 2021 – December 2021

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

PROJECTS

SquishConvert Mobile App | Personal Project *Actively adding new features*

June 2023 – Present

- Developed a currency converter mobile application in Android Studio, allowing users to convert between 160 different currencies.
- Utilizes ExchangeRate API to acquire real-time conversion rates to provide users with the most accurate conversion.
- Adapted code from a previous currency converter personal project to work with a GUI to develop this mobile app.

RU Café Android App | SAS, Rutgers University - NB

April 2023 – May 2023

- Culmination of all previous projects done in the IntelliJ IDE using JavaFX into one mobile application developed in Android Studio.
- Applied all newly learned skills in Java software design to create an app where the user can choose items from a café, place an order, delete an order, edit an order, check their basket, & view their running total.

Espresso Café | SOE, Rutgers University - NB

February 2023 – May 2023

- With a team of 8 we developed both the frontend & backend for our café, Espresso Café.
- As the server APIs' division lead, my main contribution was using JavaScript, Postman & Ably to write & test the APIs that would be used to send & receive information between frontend & backend.

Tip Calculator App (Swift)

October 2021 - November 2021

- Simple mobile application created to enhance my skills using XCode's storyboard feature & learn the fundamentals of IOS app development.