

# Jephtey Adolphe

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## Education

**Rutgers University, New Brunswick, NJ**

**Expected December 2021**

**Bachelor of Science in Electrical and Computer Engineering w/ Minor in Computer Science**

- **Relevant Coursework:** Databases, Network Programming, Data Structures & Algorithms

## Work Experience

**Jefferies, New York, NY**

**June 2021 - Aug 2021**

**Software Engineering Intern**

- Developed and maintained internal applications to increase efficiency and productivity
- Tested applications in order to identify and resolve performance issues

**Schindler Elevator Corporation, Randolph, NJ**

**Jan 2020 - Aug 2020**

**Electrical Engineering Intern**

- Developed an innovative proprietary relay device, reducing safety circuitry testing time by 70%
- Designed and maintained electrical parts and schematics using OrCAD

**Amazon, Robbinsville, NJ**

**May 2019 - Sept 2019**

**Warehouse Associate**

- Collected, sorted, and transported packages throughout the facility
- Assisted in the onboarding process of new team members and helped them follow safety procedures

## Personal Projects

**Epileptic Flash Checker**

<https://www.youtube.com/watch?v=UGMMMe0W9fE>

**Microsoft's Imagine Cup Coding Competition**

- Developed a web app using **Python's Flask** framework and **Html/CSS** that analyzes YouTube subclips to determine whether or not they're safe for people with epilepsy

**Online Auction System**

<https://www.youtube.com/watch?v=dcd-20-Hp1I>

- Implemented admin specific functionalities such as generating earnings reports, tracking best performing sellers/items, and the ability to for admin-created customer representatives to answer questions
- Created using **Java** Servlet Pages, **MySQL**, and **Apache TomCat**

**Color Find - Stress Relief Coloring App**

<https://www.youtube.com/watch?v=UBM88ntIC14>

- Tracked stress through image completion rates/color selections & stored data in an **AWS MySQL** database
- Designed and implemented image analysis algorithm using **Python's** OpenCV and PIL libraries
- Built foundation of user interface in **Flutter** with an **Android** emulator

**Buffer Overflow**

- Created a series of attacks in a **linux** environment that would overrun a buffer's boundaries in order to overwrite the adjacent memory locations to run pre-prepared code

## Extracurriculars

**Google Coding Competitions**

- Organized virtual hub for Rutgers students to compete alongside each other (20+ teams) in Google's HashCode coding competition and competed in the Code Jam & Kick Start algorithmic competitions

## Relevant Skills

- **Languages:** Java, Python3, C, C++, Html/CSS, Javascript, Dart
- **Tools / Technologies:** React.js, Flutter, Git, AWS, SQL, Flask, JavaFX, Heroku, Linux/Unix