Ryan Rychlak

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Education

Stony Brook University   **August 2020 – December 2023**
Bachelor of Science in Computer Science and Applied Mathematics   *Stony Brook, NY*
- GPA: 3.5
- Applied Mathematics undergraduate teaching assistant
- President of Mathematics Club
- Member of Competitive Programming Club

Technical Skills

Languages: Python, Typescript, Javascript, Java, C, C++, HTML, CSS
Libraries: React, React Native, Fast API, Selenium, Pandas, Kivy, JavaFX, BeautifulSoup, Tweepy, Ensta, Robin Stocks
Database Tools: MySQL, SOQL, Firebase, MongoDB
Software: GitHub, BitBucket, Boomi, Power Automate, DBeaver, Heroku, Expo

Experience

RJ Reliance   **June 2023 – December 2023**
Software Development Intern   *Chicago, IL*
- Created an RPA flow to extract job and employee data from Paylocity and upload it into Salesforce
- Utilized Files.com and Salesforce APIs in Python to download files of UKG training hours, rate employees on hours spent, and upload the results to their contact on Salesforce for the CEO to see. Deployed on Heroku for weekly runs
- Extracted and manipulated employee forecasted hours from Salesforce using Python and SOQL

Next Gen HQ   **June 2022 – August 2022**
Full Stack Software Engineering Intern   *New York, NY*
- Developed an administrator dashboard in React with Typescript which allowed admin accounts to view and control what their users can access. Deployed with Expo
- Created a basic social media using Typescript, React Native, and Google Firebase that allowed users to create an account and post to a main feed
- Organized icons for the company app and put them all into a Storybook to make searching through them easier for the designers

International Cardiology Consultants   **June 2021 – August 2022**
Contract Developer   *Columbia, SC*
- Developed an application in Javascript using React Native that partner doctors use to assess patients' risk of heart disease and recommend which of the ICC's programs to use. Deployed to Android and IOS stores using Expo
- Created a desktop application with Python and the Kivy module to allow over 150 partner hospitals to fill out and send patient forms to the CEO

Primex Family of Companies   **May 2019 – August 2021**
Development Associate   *Lake Geneva, WI*
- Created an application in Python with the Kivy module that helps the sales team choose the correct package to sell to sites based on various criteria
- Developed a product catalog application using JavaFX that allows easy searching based on product category, name, or sku number
- Wrote automated test cases for company mobile apps using Java and Appium
- Made an Amazon web scraper using Beautiful Soup in Python to report products being sold for less than their ASP
- Wrote SQL queries to find and label returned products in the company's database

Personal Projects

Golf Course API | *Python, Selenium, MySQL, Fast API*   **Spring 2024**
- Scraped golf course data from the web using Selenium
- Kept data in MySQL database hosted on AWS
- Utilized Fast API to create an API with 4 endpoints for retrieving the data

Crypto Trading Bot | *Python, Robin Stocks, Tweepy*   **Summer 2021**
- Developed a bot in Python that uses Tweepy to read Twitter posts from crypto-focused accounts. When certain coins were mentioned, the program would use Robin Stocks to buy the coin on Robin Hood, hold it for a short time, and sell it
- Downloaded onto a Raspberry Pi to run continuously