Christopher Arancio

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Education

PROVIDENCE COLLEGE — Providence, RI

Pursuing B.S., Computer Science. Minors in Data Science and Mathematics.   Expected Graduation: May 2025

Current GPA: 3.89

Liberal Arts Honors

Dean's List: Fall 2021 – Spring 2024

Skills

PROGRAMMING: Python, C++, Java, JavaScript, SQL, PHP, HTML/CSS, R
SOFTWARE: Tableau, PowerBI, RStudio, PyCharm, Eclipse, Visual Studio, Microsoft Office Suite
DESIGN: Object-Oriented Programming (OOP), Database Normalization, Algorithm Efficiency (Big O)

Work Experience

MASSACHUSETTS STATE LOTTERY COMMISSION — Braintree, MA

Quality Assurance Intern
June – August 2024
December 2023 – January 2024
June – August 2023

- Collaboratively developed an autogenerating repository of winning wager tickets for testing purposes.
- Configured Tesseract OCR with PyTesseract and developed preprocessing algorithms that improved extraction accuracy; the enhanced system processes over 500 image scans weekly, minimizing manual data entry workload for the team.
- Achieved a 97% success rate of extracting wager serial numbers from a PDF scan of wager ticket.
- Developed a custom GUI in Python with CustomTkinter package. This GUI takes user input, runs a Selenium WebDriver automation, and autogenerates a Pandas DataFrame to export to an Excel repository.
- Crafted a custom GUI in Python employing the CustomTkinter package, facilitating user input and initiating Selenium WebDriver functions; this tool has enhanced workflow efficiency, reducing data entry time for 100 wagers to under 10 minutes (varies based on the number of winners).
- Built GUI into executable file that is used by QA team daily; authored setup, operation, and troubleshooting guides to assist with operation, upkeep, and updates.
- Assisted with mobile app testing of Massachusetts Lottery Mobile app; experience with agile development, testing in sprints, as well as regression testing.
- Reduced company liability for both employee and employer by creating all new documentation of software privileges within Lottery portal.
- Generated suggestions to management about potential risks given certain combinations of Lottery portal privileges when creating new roles.

HENNESSY NEWS OF SCITUATE — Scituate, MA

Store Clerk
July 2017 – May 2023

- Developed customer service skills to maintain good relations of the small business with the rest of the local community; assisted with management of store inventory.

Leadership & Activities

PROVIDENCE COLLEGE RACQUETBALL CLUB — Providence, RI

President
August 2023 – Present
Treasurer
September 2022 – May 2023

- Outlined club's yearly budget and ensures that monthly balance sheet adheres to yearly budget goals.
- Facilitated training to new members and instructing on rules, regulations, and safe practices of the sport.