

WILLIAM ZYCINSKY IV

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A results-driven fresh graduate with hands-on professional experience looking for a full-time software engineering role. Magna Cum Laude 2024 and a member of Computer Science Honor Society.

EDUCATION

Bachelor of Science, Rowan University, 2024

Major: Computer Science, GPA of 3.7 (national average 3.3)

Concentration: Software Engineering

Academic Achievements: Upsilon Pi Epsilon (International Honor Society for the Computing and Information Disciplines), Dean's List (Exceptional Grades Semesters): Fall of 2023, Spring of 2024.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, C++, C#, Python, HTML, CSS, SQL, Mongoose

Methodologies: Scrum and Agile Development

Frameworks / Tools: Angular, React, MySQL, Django, Selenium, Flutter, SQLite

Soft Skills: Active listening, ability to work within a team, ability to show initiative and leadership

PROFESSIONAL EXPERIENCE

Intern/Part Time Junior Developer, Spinberry, Sept 2022 - Mar 2024, UK

An international gaming company with a portfolio of games powered by own game engine. Working 20 hours a week, enhanced and fixed defects in automated web scraping that allows the company to understand menu positioning of their products and correlate them to financial metrics.

- Developed an automated web scraping algorithm to determine game positioning across ~1000 websites with python and selenium. Primarily enhancing algorithms to deal with exception cases across operators.
- Generated reporting data for game positioning and analyzed and presented weekly data analytics, etc.
- Manual UX testing of games. Followed test scripts and logged defects in testrail.
- Attended trade shows and worked the company booth explaining the products to potential customers.

Developer, Upwork, March 2023 – now, USA

Various short-term development projects, including:

- Comic/Hobby Store Inventory Tracking Website (Angular): Allowed the store to track their inventory and generate basic reports. Dynamic customizable layout by user. Front-end support for web and mobile.
- Small business projects including website refactoring and data export.

KEY PROJECTS

Home Management Web Application

Senior Project, Rowan University

Full-stack Development

Developed a comprehensive web application designed to streamline household management by allowing users to create accounts, assign tasks, and manage chores among household members. Integrated Google Calendar API for event scheduling and reminders.

- Users could assign tasks, set deadlines, and receive automated reminders.
- Implemented a point-based reward system where authorized users could allocate points for completed tasks and create redeemable rewards.
- Utilized HTML, CSS, JavaScript, Python, Django, HTMX, SQLite, Google Calendar API

E-commerce Database Design & Query Optimization

Graduate-Level Database Systems, Rowan University

Backend Development

Engineered a robust MySQL database system for an e-commerce platform, focusing on complex data queries and database integrity.

- Created comprehensive data models and corresponding tables to handle a wide array of e-commerce transactions.
- Developed complex SQL queries to address user-specific needs and generate detailed reports.
- Implemented auto-updates, cascades, and constraints (e.g., ON DELETE, NULL handling) to maintain data integrity.
- Unix-based system, emphasizing the use of shell scripting and command-line tools.

HOBBIES

Woodworking, Cooking, Blacksmithing, Drumming