Anthony Tesoriero

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Education

Bachelor of Science in Computer Science   **September 2017 - May 2021**
Artificial Intelligence Concentration & Minor in Mathematics
Rowan University, Glassboro, NJ

Technical Skills

- Java, Python, React/ReactJS, HTML, CSS/Sass, Typescript/JavaScript, GitHub/Git, MySQL, NoSQL, MongoDB, Agile/Scrum
- **IDE:** VSCode, Eclipse, PyCharm, JetBrains   • **OS:** MacOS, Windows, Unix, Linux

Experience

Robotics Researcher   **January 2019 - May 2021**
Department of Computer Science, Rowan University, Glassboro, NJ
- Enhancing use of LEGO EV3 Robots with Python by finding new ways to use infrared sensors and a PixyCam for basic object tracking, and enhancing object detection
- Use sensors with systems such as OpenCV to create better student learning experience
- Began creating system to convert visual based LEGO Scratch code into LEGO MicroPython to make lower level learning easier

CS Learning Assistant   **January 2019 - September 2020**
Department of Computer Science, Rowan University, Glassboro, NJ
- Work closely with computer science students to assist in Java and Python programming assignments, and basic object oriented programming
- Help students understand project goals, while developing deeper programming skill
- Analyze and help debug code written by students, while providing feedback to promote deeper independent programming skills, and group collaboration

Robotics Assistant   **September 2018 - January 2019**
Department of Computer Science, Rowan University, Glassboro, NJ
- Build, sort, and organize dozens of LEGO robots and hundreds of parts
- Create a new, better structured organization style for future departmental additions
- Work with teammate to create a database to track robot information, part amounts, and keep equipment properly organized and easily accessible

Projects

OddJobs - Frontend Team   **September - December 2020**
Senior Project, Rowan University, Glassboro NJ   anttes.com/oddjobs
- Web app built by a team of seven using ReactJS, HTML, CSS, TypeScript on the frontend, and Python, Flask, MySQL, AWS EC2 on the backend
- Connects people who need help with tasks to people who are interested in earning cash
- Uses daily surveys to learn the user and collect useful data, to recommend tasks to list/ complete based on their interests
- Users can securely use a map to find relevant jobs near them, and filter based on criteria

Mitigation's Repository - Agile Product Owner   **January - May 2020**
Software Engineering, Rowan University, Glassboro NJ   anttes.com/mitigations
- Worked with team of six to create a working repository to identify and track threats and risks from user input of security controls
- After threats are calculated, they are forked from the mitigation, and able to be seen by users on the website, similar to a GitHub for mitigations
- Uses front-end design with AJAX, HTML, and CSS, and back-end using SQL and ubuntu on an Amazon Web Server