

JAMES RUPA

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EDUCATION

CUNY Brooklyn College

Brooklyn, NY

Bachelor of Science in Computer Science | GPA: 3.2

June 2023

- **Relevant Coursework:** Design & Implementation of Web Apps, Database Systems, Data Structures, Analysis of Algorithms, Information Security, Computer Networks, Operating Systems.

RELEVANT WORK EXPERIENCE

Self-Employed

Queens, NY

Freelance Tutor

Aug 2019 - Mar 2020

- Provided individualized tutoring sessions to students of varying skill levels, focusing primarily in Python.
- Developed tailored lesson plans and instructional materials to meet the unique learning needs of each student.
- Guided students through coding exercises, projects, and problem-solving tasks to enhance their practical skills.
- Monitored and tracked students' progress, identifying areas of improvement and implementing targeted strategies for their advancement.

Scholars' Academy High School

Queens, NY

Teaching Assistant

Sep 2018 - Jun 2019

- Supported the teachers in facilitating coding classes focused on the Python programming language for a diverse group of students in their junior and senior years.
- Provided one-on-one and group support to students during coding exercises, assignments, and projects, helping them troubleshoot errors and find optimal solutions.
- Assisted in preparing instructional materials, including lesson plans, handouts, and coding examples, to enhance student learning and engagement.

PROJECTS & LEADERSHIP EXPERIENCE

Lost Haste

New York, NY

Designer & Developer

Jan 2023 - May 2023

- Developed an open world survival craft Unity game from concept to completion, showcasing expertise in game design and programming.
- Implemented core game systems, including player controls, AI behaviors, and physics-based interactions.
- Utilized Unity's scripting language, C#, to code and debug gameplay features, ensuring smooth functionality and optimal performance.
- Developed and maintained documentation and participated in regular weekly meetings with project supervisor ensuring clear communication and a streamline development process.

Hempstead Harbour Club

Glen Cove, NY

Head Launch Operator

Mar 2021 - Present

- Operated vessels in compliance with Coast Guard regulations, ensuring the safety of passengers, crew, and cargo.
- Maintained accurate records of vessel operations, including passenger counts, trip logs, and maintenance reports.
- Conducted routine maintenance checks on vessels, ensuring equipment functionality, and promptly reporting any issues to appropriate personnel.

SKILLS & INTERESTS

Software: HTML5, CSS3, JavaScript, Python, Java, C#, C++, SQL

Tools: Google Workspace, Microsoft 365, Figma, Unity, VSCode, MySQL, Git, Linux

Languages: English (Native), Polish (Proficient) | **Interests:** Sailing, Hiking, Music, Cars, Photography, Video Games