

ZACHARY A. PATAKY

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EDUCATION

Canisius College

Buffalo, NY

Bachelor of Science in Computer Science

May 2022

- Minor: Leadership
- Cumulative GPA: 3.98/4.00
- Computer Science Excellence in Academics Award: May 2022

WORK EXPERIENCE

CYBRA Corporation

West Seneca, NY

Junior Software Engineer

July 2022 - Present

- Participated as an active teammate in daily scrum meetings, sharing my work and providing constructive criticism
- Performed debugging on current and legacy software to support long-term customers
- Collaborated closely with other team members to plan, design, and execute robust solutions for assigned tasks
- Contributed to the development of premier web-based products using Angular 14 and Java Web Services
- Started developing critical components of upcoming software three weeks into my employment
- Helped implement activities to improve the office culture and build team camaraderie

Canisius College, Quantitative Sciences Department

Buffalo, NY

Department Tutor and Teacher's Assistant

February 2021 - May 2022

- Assisted students with understanding class materials in face-to-face and online mediums
- Managed the Computer Science department's tutoring program
- *Cybersecurity Principles* (CYB 500) | Spring 2022
 - Supported laboratory sessions with class-wide and one-on-one assistance
 - Directed the class through laboratory assignments, including the *Social Engineering Toolkit*, *Steganography*, *Password Cracking*, *Wireshark*, and *Heartbleed Attack* projects
- *Information Organization and Processing* (CSC 310) | Spring 2022
 - Managed a group of three students in a semester-long MySQL database project as their Project Lead
- *Distributed Computing and Operating System Design* (CSC 330) | Fall 2021
- *Large-Scale Programming* (CSC 213) | Fall 2021
 - Created and graded class materials, such as the first exam, homework assignments, and lecture material
 - Designed lectures and presented on Java, Object-Oriented Programming, and Data Structures
- *Automata and Algorithms* (CSC 281) | Spring 2021

Buffalo Computer Graphics

Hamburg, NY

Automated Testing Intern

May 2021 - August 2021, January 2022

- Created and executed automated tests for the DisasterLAN program using Robot Framework
- Modified existing documents in Microsoft Word to conform to and meet ISO requirements
- Wrote technical documentation for an in-house browser extension tool
- Developed a tool in Robot Framework to generalize our testing object library

Canisius College, New Griff Orientation

Buffalo, NY

Lead Orientation Leader

June 2020 - August 2020

Orientation Leader

August 2019

- Served as a leader of academic and campus information for incoming first-year students and orientation leaders
- Conducted meetings and presentations for transfer students and Computer Science major students
- Created content, including weekly Instagram posts, instructions for using campus equipment, and two videos

SPECIAL SKILLS

- **OS Environments:** Windows, Linux
- **Language Proficiencies:** Python
- **Language Exposures:** Java, C++, HTML, CSS, SCSS, JavaScript, Typescript, PHP, Lisp, Prolog
- **IDE Proficiencies:** Visual Studio Code, IntelliJ, PyCharm, Eclipse, MySQL Workbench
- **Databases:** MySQL, MongoDB
- **Technology Exposures:** LibGDX, MPI, jQuery, Node, Express, Angular, Robot Framework, Git, Mercurial, Postman, Spring Boot, Hibernate
- **Office Software:** Microsoft Office Suite, Google Suite, Canva
- **Organizational Skills:** Agile Methodology, Leadership, Verbal and Written Communication