ZACHARY A. PATAKY

zacharypataky@gmail.com | (716) 997-2966 | www.zacharypataky.com

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
- Major Projects:
  - Created a distributed information processing and querying system capable of handling large quantities of data by leveraging the MPI library; developed in C++
  - Operated as Project Manager and programmer for a semester-long project creating a video game; developed in Java using the LibGDX library
  - Produced a personal resume website; developed in HTML, CSS, Javascript, and PHP

WORK EXPERIENCE

CYBRA Corporation   **West Seneca, NY**
Junior Software Engineer   July 2022 - March 2023
- Participated as an active component of an Agile development team, often collaborating with other developers
- Debugged current and legacy software, sometimes on client-specific copies of the application
- Contributed to the development of an upcoming web-based product using the Angular / Spring Boot stack
- Instrumental in designing and implementing a new UI scheme in our *MarkMagic Lite* application
- Skilled enough to earn responsibility over critical components of our new product three weeks into employment

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

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, Spring Boot, Hibernate, Django
- **Office Software:** Microsoft Office Suite, Google Suite, Canva, Adobe Express
- **Organizational Skills:** Agile Methodology Leadership, Verbal and Written Communication