

David Lyko

Binghamton NY | 845-283-8281 | dlyko1@binghamton.edu |
www.linkedin.com/in/david-c-lyko-297ab8200

EDUCATION

Binghamton University, SUNY | Watson College of Engineering and Applied Science

Bachelor of Science in Computer Science

Expected May 2024

Cumulative GPA: 3.73/4.00 | Dean's List: Fall 2020 – Present

TECHNICAL SKILLS

Languages: C, Java, Python

Software and OS: VS code, Eclipse, Git, Logisim, IDLE, Linux

Digital Certifications: <https://www.youracclaim.com/users/david-lyko>

PROFESSIONAL EXPERIENCE

Binghamton University, First Year Researcher | Binghamton, NY

August 2020 - Present

- Research human robot interaction in Mahjong
- Develop a robotic arm capable of playing a simplified version of Mahjong detailed in a 20 page research paper
- Utilize Keras, TensorFlow, NumPy in Python to implement an image detection neural network, uses a PDDL solver in python to implement game strategy and uses CoppeliaSim to test robotic arm in a virtual environment

Binghamton University, Residential Computing Consultant | Binghamton, NY

August 2021 - Present

- Provide technical support to students, troubleshoot hardware and software, assist students with printers, troubleshoot network errors, provide other IT support services
- Manage the IT desk at the library- fix printer jams, aid students with using University printers, troubleshoot other printer or computer issues

PROJECT EXPERIENCE

Employee Scheduling Application | Greenwood Lake, NY

May 2021 - August 2021

- Designed and developed a program which generates a schedule for 23 employees at the Thomas P. Morahan Waterfront Park
- Utilized object oriented programming techniques, algorithms, text file reading/ writing, exception handling, arraylists, and a SWING GUI, written entirely in Java

Binghamton University, Java Co-Programmer | Binghamton, NY

September 2020 - December 2020

- Created an assembler which assembles an assembly file, and displays output and memory content in a Swing GUI
- Managed version control through GitHub, employed JUnit testing to evaluate source code, used JavaDocs to document code

LEADERSHIP EXPERIENCE

Binghamton University, First Year Research Undergraduate Peer Mentor | Binghamton, NY

August 2021 - Present

- Guide a team of five students in developing a research proposal outlining what the team proposes to do about a real world problem
- Assist professor in weekly lectures, organize team building activities, develop learning activities, teach students research techniques, keep attendance records, guide researchers in weekly team meetings

WORK EXPERIENCE

Senior Waterfront Lifeguard | Thomas P. Morahan Waterfront Park, Greenwood Lake, NY

May 2021 - Present

- Train new lifeguards and existing lifeguards at weekly training sessions
- Lead in emergency situations - provide first aid, CPR, or any other life-saving technique when necessary
- Supervise lifeguards and ensure shift rotations are timely and organized

Waterfront Lifeguard | Thomas P. Morahan Waterfront Park, Greenwood Lake, NY

June 2019 - May 2021

- Confirmed safety of 200 patrons by enforcing rules and techniques acquired in training
- Applied forward and preventative thinking techniques, upkeep of premises, work as a gate guard- collecting money and maintain flow of patrons