

David Poncé

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EDUCATION

Binghamton University, SUNY, Thomas J. Watson College of Engineering and Applied Science

Bachelor of Science in Computer Science

Expected May 2026

4+1 Accelerated Master of Science in Computer Science

Expected May 2027

Relevant Coursework: Object-Oriented Programming, Data Structures and Algorithms, Linear Algebra, Discrete Math

Honors: America East Honor Roll Fall 2022 - Spring 2024, CSCAA Scholar All-American Honors

TECHNICAL SKILLS

Languages: Python, C++, HTML, CSS, JavaScript

Software and OS: Git, Visual Studio Code, Anaconda, Linux, X86

Additional: GitHub, OpenCV, TensorFlow, Keras, Numpy, React Native

WORK EXPERIENCE

Emerging Technology Studio, Project Development Lead | Binghamton, NY

March 2024 - Present

- Revamped Binghamton's makerspace by launching a new project management system, enabling 1000+ completed projects in one semester
- Managed 1000+ 3D prints, model requests, and 2D cuts per semester, achieving a 95.5% user satisfaction rate
- Launched a bi-weekly newsletter highlighting successful project implementations using advanced technologies, which increased awareness and usage among faculty and students, ultimately driving engagement by over 30%

First Year Research Immersion Program, Course Assistant

August 2023 - May 2024

- Educated 25+ undergraduates on research fundamentals, focusing on Python and machine learning applications
- Designed study plans, boosting coursework completion and final scores of an average of 93%

PROJECT EXPERIENCE

Emerging Technology Studio Website Developer | SvelteKit, HTML, CSS

September 2024 - Present

- Developed the workshop page, integrating the club's calendar with the website to increase event attendance by 150%
- Partnered with another web developer and actively communicated with 11 team members to implement website updates
- Developing an AI chatbot to guide students in 3D printing with project ideas, resources, and personalized support

DigitMaster Neural Network | Tensorflow, OpenCV, Conda, Numpy, Matplotlib

January 2025 - March 2025

- Implemented the MNIST dataset, a collection of 70,000 handwritten digits to enhance image model training
- Applied numpy to invert pixel values, improving dataset quality and model accuracy for reliable outputs
- Created matplotlib visualizations for real-time verification of 1000+ predictions

Adversarial Defense Against Deepfake Audio, Undergraduate Researcher

January 2024 - May 2024

- Collaborated with Intel to develop algorithms protecting against deepfake audio manipulation
- Managed and assessed models, including retrieval-based voice conversion, for voice cloning effectiveness

LEADERSHIP EXPERIENCE

StackHacks, President & Founder

September 2023 - Present

- Founded StackHacks, a software engineering project team dedicated to supporting underrepresented students
- Established collaborations with Binghamton University that resulted in securing 3 technical projects
- Communicate with 8 team leads to ensure members' task understanding and steady project progress
- Grew StackHacks from 6 to 42 members in one year by diversifying marketing efforts

Binghamton University Division 1 Swim & Dive Team, Team Captain

August 2022 - Present

- Led and mentored Division I men's team while maintaining a 20-hour weekly NCAA training schedule
- Collaborated with coaches to refine training plans, resulting in measurable gains in performance benchmarks
- Compete in competitions against other Division 1 programs, achieving a notable 6-1 record this past season
- Provided leadership that contributed to back-to-back America East Conference championships (2024, 2025)

ColorStack at Binghamton University, Project Manager

September 2023 - May 2024

- Collaborated with 14 executive board members and 6 hackathon organizers to lead 100+ members
- Managed 21 software engineers and 3 team leads, coordinating with ColorStack's executive board on project progress

Hobbies: Plant whispering, Pet costume making, Speedcubing, Bible study, 3D printing, Volunteering at cat shelter, Beyblader