Benedict Adjemond

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EDUCATION

New Jersey Institute of Technology (NJIT), Ying Wu College of Computing, Newark, NJ
Bachelor of Science in Computer Science | Minor in Information Technology GPA: 3.4 — Expected May 2027
Awards: The New Visions Scholarship

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C++, C#, Bash, GIT, HTML, CSS,
Software/Tools: Arduino, Blender, Eclipse, JGraspe, Terminal, Unity, Visual Studio Code,

WORK EXPERIENCE

NYU Langone — New York City, NY
Data Science and Software Intern — (Jun 2023 - Present)

- Led the engineering effort on a neurosurgical upgrade project, designing and implementing software to digitize the stereotactic frame control mechanism. Improved surgical precision by 10% and reduced procedure time by 50%.
- Oversaw the development of a machine learning algorithm in Python using PyTorch and Monai to detect tumors in mice lungs. Directed data curation and model training, ensuring accuracy and reproducibility.
- Supervised and mentored high school and college interns, delegating tasks, providing technical guidance, and fostering a collaborative team environment.
- Organized and facilitated weekly progress meetings, setting milestones, aligning strategies, and ensuring timely completion of deliverables.
- Collaborated with cross-disciplinary teams—including physicians, PhD researchers, and specialists in physics, chemistry, data science, and AI—to advance MRI imaging protocols and radiology research.

NJIT Robotics — Newark, NJ
(Oct 2024 - May 2025)

- Collaborated with a student team to revive a broken children's hospital robot, while enhancing both functionality and patient interaction.
- Integrated AI-powered language and voice models to enable natural, engaging communication with young patients.
- Developed customizable user-selected animations, making the robot more interactive and adaptable to different hospital environments.
- Applied a blend of technical design, teamwork, and creativity to create a project aimed at improving the hospital experience for children.

PROJECTS

Lexical Analyser (C++)

- Built a lexical analyzer for a small programming language, called Simple Ada-Like(SADAL).

3D Painting App (Unity/C#)

- Developed a 3D painting application in Unity using C#, allowing users to paint with a variety of customizable objects.
- Implemented interactive controls where holding the left mouse button draws user-selected objects, with full customization available through the game menu.

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Management Leadership for Tomorrow — Washington, DC
Career Preparation Fellow — (Jan 2025 - May 2025)

- Accepted into a selective 18-month professional development program for high-achieving diverse talent.
- Completing business case studies and assignments to grow leadership and technical skills.
- Attending conferences hosted by industry leaders, such as Deloitte, LinkedIn, and Target.

NJIT Information & Cybersecurity (NICC) — Newark, NJ
Blue/Red team Hacker — (Jan 2025 - May 2025)

- Members swap between blue team to red team and compete against the opposing team hackers by either establishing security measures for a given program, or breaking in by any means.

ADDITIONAL SKILLS AND INTERESTS

Graphic Design, Animation, French (Native Proficiency), Entrepreneurship , Human Resources, Public Speaking