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Amanda Lei

Motivated third-year student at Rutgers University with a strong foundation in software development. Seeking a Summer 2025 internship to grow technical expertise. Proficient in Python, Java, HTML, CSS, and JS, with experience in React, Streamlit, Power Apps, and Power Automate. Strong in teamwork, communication, and problem-solving.

EDUCATION

Rutgers University-New Brunswick, Class of 2026

- B.S. in Computer Science and B.A. in Human Resource Management - Minor in Mathematics

Relevant Coursework

- Differential Equations, Math Reasoning, Math Theory of Probability, Data Structures, Linear Optimization, Computer Architecture, Principles of Programming Languages, Systems Programming, Design and Analysis of Algorithms

PROFESSIONAL EXPERIENCE

Pfizer, Manhattan, NY

Digital/Pharmacovigilance Summer Intern **Jun 2024 - Aug 2024**

Extended as a Part-Timer **Sep 2024 - Nov 2024**

- Design and build a **Python**-based application using Streamlit leveraging **Google DLP** (Data Loss Prevention) services to automate personally identifiable information redaction processes, enhancing operational efficiency
- Develop a **Power Apps** application to streamline resource management, **automating over 150 emails** and saving more than **80 hours** of administrative work
- Engineer web portals and **Power Automate** flows for executive leadership, and produce instructional videos for end-users, simplifying the maintenance of Power Automate workflows
- Collaborate with cross-functional global teams to understand business requirements, tailor applications to meet end-user needs, improving accuracy and reducing manual workload

Learning Centers, Rutgers University, NJ

Learning Assistant for Introduction to Computer Science **Jul 2023 - Present**

- Sole instructor in recitation sessions, **teaching** students with varying levels of programming experience
- Teach various topics including algorithmic thinking, searching/sorting **algorithms**, recursion, and **Java** programming
- Study and implement **pedagogical** methods to foster a proactive learning environment
- Develop comprehensive yet adaptable lesson plans and materials, effectively communicating with faculty and fellow learning assistants to coordinate curriculum

HackRU (hackru.org**)**, Rutgers University, NJ

Marketing Director **Jul 2024 - Present**

- Support hackers with troubleshooting coding challenges, offering guidance **across programming languages**, and fostering an inclusive environment for developers of all skill levels
- Direct social media strategy, creating professional yet engaging posts and reels to enhance HackRU's image and appeal
- **Boost engagement by ~50%** in a single semester through strategic content planning and performance analysis
- Coordinate hackathon logistics to ensure a smooth and positive experience for **over 500 participants**

ADDITIONAL

- Robotics Competitor at the global level in VEX IQ, VRC, VAI, programming in Python and C (Sep 2013 - Jun 2022)
- Chief Marketing Officer for Techshare Project: techshareproject.org (Sep 2018 - Aug 2022)
- Team Captain of High School Women's Varsity Fencing (Sep 2018 - 2022)
- Newspaper Editor of *Wavelength*: high school digital STEM journal (Sep 2019 - 2022)