Jonah Irizarry

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EDUCATION

Binghamton University, SUNY | Thomas J. Watson College of Engineering and Applied Science **May 2025**
Bachelor of Science, Computer Science, CS Artificial Intelligence 4+1 | 3.74 GPA | Magna Cum Laude
Binghamton University, SUNY | Thomas J. Watson College of Engineering and Applied Science **Expected May 2026**
Master of Science, Computer Science, CS Artificial Intelligence
Relevant Coursework: Intro to ML | Social Media Data Science Pipelines | Advanced Computer Architecture | Intro to AI

TECHNICAL SKILLS

Languages: C, C++, Java, Python, HTML, CSS, JavaScript, SQL, Bash, Rust
Software and OS: Eclipse**,** JGrasp, Logisim, Linux (Ubuntu), Windows 10, Emacs, Microsoft Office, Google Workspace, Rust Rover IDE
Additional Skills: digital circuit design, Autodesk Inventor & Maya, Chat-GPT API, Tesseract OCR, Dioxus Framework, Flask, Postgresql

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RELEVANT WORK EXPERIENCE

Solutions Engineer, Sense Education | Jerusalem, Israel **June – August 2023**
- Worked with the other Solutions Engineers to research and develop tools to improve workflow
- Researched how adding Chat-GPT 3.5 could improve how we handled unformatted datasets, change the target programming language of a model and its dataset, and assist in the creation of models from datasets
- Combined Google's Tesseract OCR and Chat-GPT 3.5 in order to strip datasets out of images, streamlining the processing of datasets sent by clients

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PROJECTS

FFXIV Weather TUI, Personal Project | New York, NY **April 2025**
C++ Programmer
- Developed a weather forecasting application for my terminal in C++
- Utilized FTXUI as the interface library to bring interactivity and image processing to the terminal
- Compiled information from multiple sources in multiple programming languages and translated them into the C++ business logic
- Organized the project using git for easy version control and hosted the project on Github to be able to work on it from anywhere

Continuous Web Scraper, School Project | Binghamton, NY **October – December 2024**
Python Programmer
- Used Faktory to set up a 24/7 web scraper to collect the posts on multiple subreddits and 4chan boards using their respective APIs.
- Stored everything in a Postgresql database from which the data could be queried.
- Ran a AI moderation tool alongside data collection to score toxicity of the posts.
- Developed a web page front-end using Flask to display the results of the moderation and other database queries.
- Took on a project lead role and delegated work as well as kept team members accountable and on pace

RSS & Atom Syndication Feed Aggregator, Personal Project | New York, NY **June 2024**
Rust Programmer
- Built a desktop application in Rust that saves URLs of the desired feeds to a text document and can then load the content from those URLs to be browsed and displayed, while keeping full functionality of any links or images
- Used a front end framework called Dioxus to handle the GUI, allowing the use of a singular programming language across the project save for the single style sheet

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OTHER WORK EXPERIENCE

Events Staffing, Kinetic Events | New York City, NY **June – August 2024**
- Staffed multiple events that took place in the Javits Center

Adventure and High Ropes Staff, Camp Echo | Burlingham NY **June – August 2021**
- Responsible for High Ropes Course and the Rock Wall activities and educated users on safety requirements