Victor Olivo III

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EDUCATION

Rutgers University, School of Arts and Sciences | New Brunswick, NJ May 2027
Bachelor of Science in Computer Science | Honors College GPA: 4.0
Minor: Psychology | Relevant Courses: Data Structures, Computer Architecture, Introduction to Discrete Structures I & II, Software Methodology, Linear Algebra
Publication: *Personalization & Privacy: The Give & Take Paradox*, analyzing algorithmic filtering & data practices through a privacy lens- Presented at Rutgers University Research Writing Conference (April 2025)

TECHNICAL SKILLS, CERTIFICATIONS, & AWARDS

Programming Languages & Frameworks: Java, Python, JavaScript, C, HTML/CSS, React, Node.js, R/RStudio, Git, Figma
Tools & Technologies: Flask, Spring Boot, PostgreSQL, MongoDB, AWS, Pandas, TensorFlow, Selenium, Agile/Scrum, Linux
Certifications: Meta Back-End Developer Professional Certificate, AT&T Technology Academy, Microsoft Excel, AWS Educate Machine Learning Foundations, Introducing Generative AI with AWS CodePath Advanced Technical Interview Prep (TIP 102)
Awards: 1st Place | Rutgers & Fiserv Hackathon (Vault: secure file sharing & messaging platform, April 2025), HSF Scholar (‘24,’25)

EXPERIENCE

Hawl Technologies, LLC (Startup) | Remote July 2025- Present
Intern- Data Team Lead
- Lead a data team of 2 interns and collaborate with UX, backend, and executive leadership to develop and ship a universal AI memory Chrome extension across ChatGPT, Gemini, Claude, Poe and Perplexity
- Diagnose and resolve 25+ critical scraper failures (race conditions, CSP injection, pairing bugs), increasing cross-platform data capture accuracy to 99% and reducing duplicate/dropped messages by 95%
- Redesign core architecture into a dynamic, CSP-safe platform manager with automated backfill pipelines, cutting sync time to real-time recovery and reducing code duplication by ~40%

AI4ALL | Remote May 2025- Present
Ignite Summer Fellow
- Enhance AI/ML engineering skills through a 20-week accelerator with industry mentorship & hands-on technical projects
- Collaborate with a team of 5 engineers to build a production-ready ML pipeline (Python, scikit-learn, Flask, React) processing 9,000+ startup records, achieving an R^2 of 0.68 and surfacing key success drivers to improve model transparency.

Pariveda | Remote June 2025- August 2025
Career Accelerator Participant
- Participated in a 6-week software consulting program with workshops on technical skill building & case-based problem solving
- Applied user-centered design to build an AI/ML-driven digital solution enabling regional hotels to compete with short-term rentals, enhancing personalization and profitability with projected 15–20% revenue growth in the first year
- Applied Agile methods to iteratively prototype solutions and present technical architecture for client-facing applications

The Takeoff Institute | Remote June 2025- August 2025
Summer Fellow
- Participated in 10-week fellowship focused on career development & building technical solutions to expand educational access
- Designed and documented the backend architecture of a national digital education platform, incorporating AWS S3 for secure file storage, PostgreSQL for structured metadata, and ElasticSearch for intelligent search indexing
- Developed RESTful APIs with token-based authentication and encryption to enforce secure user access, supporting scalable content delivery for 5,000+ anticipated users

PROJECTS

Out of the Loop - AI-Powered News Sentiment Platform June 2025- Present
Technologies: Python, Flask, SQLAlchemy, BeautifulSoup, Selenium, scikit-learn, Hugging Face Transformers
- Architected and deployed a full-stack media analysis application on AWS, provisioning EC2 for the Flask backend, RDS for the PostgreSQL database, S3/CloudFront for the React frontend, and Sentry for monitoring/maintainance
- Developed a custom sentiment analysis engine by fine-tuning a BERT regression model, achieving a 0.14 MAE on a news dataset and enabling zero-cost, real-time analysis by eliminating external API dependencies

AFFILIATIONS

Affiliations: ColorStack (Communications Chair), CodePath, Society of Hispanic Professional Engineers, Rutgers Catholic