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
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
Certifications: Meta Back-End Developer Professional Certificate, AT&T Technology Academy, Microsoft Excel & PowerPoint, 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

Pariveda | Remote June 2025- Present
Career Accelerator Participant
- Participating in 6-week software consulting program with workshops on technical skill building & case-based problem solving
- Applying user-centered design principles to develop a digital solution leveraging AI/ML and smart infrastructure to help regional hotels compete with short-term rental platforms, enhancing personalization and profitability
- Leading problem discovery, research synthesis, ideation, and solution prototyping to define an AI-powered customer journey, deliver technical architecture recommendations, and present actionable strategies to transform the hospitality experience

The Takeoff Institute | Remote June 2025- Present
Summer Fellow
- Participating in 10-week fellowship focused on career development & building technical solutions to expand educational access
- Designing scalable backend architecture for Takeoff University, specifying AWS S3 for file storage, PostgreSQL for metadata, and ElasticSearch for advanced search; incorporate secure APIs and data encryption to protect student information
- Researching and documenting database schema with role-based access controls, content tagging, and cohort-specific permissions to enable personalized student experiences; outline an implementation plan to support a secure, nationwide digital rollout

AI4ALL | Remote May 2025- Present
Ignite Summer Fellow
- Enhancing AI/ML engineering skills through a 20-week accelerator with industry mentorship & hands-on technical projects
- Engineering Startup Success Predictor: a production-ready ML pipeline (Python, scikit-learn, Gradient Boosting Regression) processing 5,000+ startup records to forecast viability and surface key revenue/funding drivers

PROJECTS

Out of the Loop - Intellectual Diversity Engine June 2025- Present
Technologies: Python, Flask, SQLAlchemy, BeautifulSoup, Selenium, scikit-learn, Hugging Face Transformers
- Designed and built a Flask-based platform with JWT authentication and secure single sign-on to let users track, categorize, and analyze news articles, using a resilient scraping pipeline with BeautifulSoup and Selenium to handle paywalls and dynamic content
- Integrated a hybrid sentiment analysis pipeline combining scikit-learn with fine-tuned BERT regression to deliver precise sentiment scoring across thousands of articles, supporting personalized category analysis and historical sentiment timelines

AI-Powered TikTok Trend Analyzer June 2025
Technologies**:** Python, Flask, Playwright, Pandas, NLTK, Google Gemini AI, JavaScript, Chart.js, HTML/CSS
- Engineered a full-stack web application to automate TikTok market research, reducing the time required to identify niche content trends from hours to under two minutes
- Developed a robust Playwright scraper to perform secure, cookie-based authentication and scrape dynamic, infinite-scroll pages within the authenticated TikTok Studio environment
- Engineered an AI-powered recommendation engine using the Google Gemini API and NLTK to synthesize scraped data into 3+ distinct, data-driven video concepts, effectively bridging the gap from raw analytics to creative strategy

AFFILIATIONS

Affiliations: ColorStack, CodePath, Society of Hispanic Professional Engineers, Brilliant Black Minds, Rutgers Catholic