

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

TECHNICAL SKILLS & CERTIFICATIONS

Programming Languages & Frameworks: Java, Python, JavaScript, C, HTML/CSS, React,, Node.js, R/RStudio, Git

Certifications: Meta Back-End Developer Professional Certificate

PROJECTS

Vault | 1st Place in Hackathon Hosted by Rutgers University & Fiserv

April 2025

Secure File Sharing & Messaging Platform (Python, Flask, HTML/CSS, JSON)

- Built a full-stack web app in under 6 hours to provide secure file sharing, messaging, and task management features
- Integrated the VirusTotal API to scan uploaded files for malware before allowing downloads
- Implemented HMAC-based message verification to ensure message integrity and prevent tampering
- Designed a lightweight data storage system using JSON files to manage users, messages, and files without a traditional database

Personalization & Privacy: The Give & Take Paradox | Published by Undergraduate Research Writing Conference

April 2025

Author

- Conducted semester-long research on the intersection of AI-driven personalization and user privacy, analyzing the impact of algorithmic content filtering and data collection practices on digital autonomy
- Applied privacy communication theories to evaluate ethical concerns regarding surveillance capitalism & algorithmic manipulation
- Delivered a formal academic presentation at a university-wide undergraduate research conference

Commut-Ed | New Brunswick, NJ

February 2025

Full-Stack Campus Ride-Sharing Platform (React, Java, Spring Boot)

- Built a full-stack campus ride-sharing platform with Java Spring Boot API and React frontend, enabling students to post, search, and join rides using event-driven architecture
- Implemented route management using in-memory HashMap storage with file-based persistence & dynamic search filtering by location & capacity
- Added features including RUID-based sign-in, real-time seat tracking, driver ratings, and personalized pages for riders and drivers

Data Structures & Algorithms | New Brunswick, NJ

November 2024

Air Quality Analysis

- Developed a Java-based hash table system to evaluate air quality data for states & counties for efficient storage & retrieval
- Designed and implemented dynamic resizing and rehashing algorithms based on load factor thresholds to optimize performance
- Parsed input files & built functionality to calculate AQI statistics, handle duplicates, identify counties exceeding pollutant thresholds

EXPERIENCE

Rutgers School of Arts and Sciences Honors Program | New Brunswick, NJ

February 2025- Present

Peer Tutor- Computer Science

- Provide one-on-one and group tutoring sessions, teaching data structures like linked lists, trees, graphs, and hash tables, emphasizing runtime complexities, efficiency trade-offs, and real-world applications
- Develop study materials such as coding exercises and practice problems to enhance student comprehension of algorithms and data manipulation
- Assist students in debugging and optimizing Java code, improving their problem-solving skills and coding efficiency

Fade O'Clock Shop / Next Level Above Barbershop | New Brunswick, NJ

July 2020- Present

Barber and Entrepreneur

- Perform 15+ haircuts/week for 4 years; started in a barbershop Sep. 2024. Independently learned modern cosmetology skills leading to consistent customer satisfaction
- Conduct market research to create a product line and sold 100+ branded merchandise within last year
- Develop website & app for scheduling appointments and accepting online payments via Apple Pay/Credit Card

AFFILIATIONS

Affiliations: HSF Scholar, ColorStack, Society of Hispanic Professional Engineers, Rutgers Catholic, Brilliant Black Minds, AI4ALL