

Christopher Addeo

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EDUCATION

New York University, Courant, New York, NY

August 2021 – May 2024

Bachelor of Arts in Computer Science, Minors: Data Science, Web Programming | **GPA:** 3.3 / 4.0

- **Coursework:** Parallel Computing, Data Management and Analysis, Object-Oriented Programming, Computer Architecture, Operating Systems, Web Development, Database Design, Data Engineering
- **Honors and Activities:** *Out in Tech Mentorship Graduate, Martin Luther King Jr. Scholar, Tech@NYU*

SKILLS

Languages: Python, Java, C / C++ (MPI, OpenMP), JavaScript, HTML / CSS, PHP

Database & Web: SQL, MongoDB, GraphQL, Node.js, Express, React, Flask, REST APIs

Developer Tools: Azure, Snowflake, Git, Docker, Kubernetes, Agile, Scrum, Shell Scripting

EXPERIENCE

Software Engineer Intern, **OHLA**, Queens, NY

May 2023 – August 2023

- Streamlined management & tracking of 5,000+ devices by developing registration system in IAAS cloud
- Implemented Python scripts with libraries like Pandas and SQLAlchemy to extract, transform, and load (ETL) over 200,000 device records into Azure SQL Database for live insights
- Refactored SQL queries for improved performance, achieving 20% reduction in execution times
- Automated tasks like data validation, compliance checks, and lifecycle stage transitions, reducing manual workload by 30% using Python scripts, Azure Logic Apps, and Azure Event Grid
- Leveraged Azure Active Directory for secure user authentication and access control during registration

Tutor, **Collaborative Learning Labs**, New York, NY

August 2022 – Present

- Facilitated student learning by tailoring teaching styles to individual needs, leading to significant academic growth and confidence in math, reading, and writing for placement exams

Freelance Writer, **FutureSelf Media**, Brooklyn, NY

September 2021 – May 2023

- Partnered with clients to revise and refine feature-length films, TV series pilots, and grant applications
- Led the creation of engaging pitch decks and presentations to captivate new media clients

PROJECTS

Market Masters, *Java*

- Developed simulated stock market application, offering secure environment for users to engage in virtual stock trading and better understand price fluctuations, trends, and market volatility
- Architected and adhered to SOLID design principles, ensuring maintainable and scalable codebase
- Designed UML models for use case, sequence, and class diagrams, facilitating clear visualization and understanding of system architecture, GUIs, and user interactions

Lights, Cameras, Insights, *Python*

- Analyzed 500,000+ movie ratings to identify key factors impacting targeted TV show and film recommendations, such as spending habits, risk evaluation, & extroversion levels
- Employed dimension reduction (PCA) and k clustering to extract essential personality traits, drive precise insights on genre preferences, and predict movie ratings with 85% accuracy using Scikit-learn

ChatterBox Messaging Platform, *Javascript*

- Collaborated with peer to assemble real-time chat room using Node.js and Express framework
- Integrated PostgreSQL backend to authenticate logins and manage message storage and retrieval

FUSE File System, *C++*

- Engineered disk-based File Explorer, enabling efficient file manipulation and data organization
- Managed file allocation to ensure robustness by debugging and troubleshooting file system operations