

Antonio Cipriano

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Education

Fordham University

Bachelor of Science; Computer Science

Major GPA: 3.88/4.00 | Overall GPA: 3.78/4.00 | Dean's List: Fall 2020 – Fall 2023

May 2024 Expected

CodePath

Certificate in Cybersecurity

September 2023 - November 2023

Technical Skills/Coursework

Languages: C++, Objective-C, HTML, CSS, JavaScript, SQL, Python

Software and OS: Linux, Windows, MacOS, Bootstrap, AWS, Scripting, Batch Software, Google Cloud, Microsoft Office

Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Database systems, Operating Systems

Professional Experience

Apple, Technical Specialist, Brooklyn, NY

September 2021 - Present

- Analyzed analytics data details to diagnose kernel panics and identify hardware issues causing unexpected shutdowns in Apple devices.
- Proficiently analyzed Jetsam reports on iOS and macOS devices to diagnose and resolve memory-related issues, optimizing application performance and stability.
- Collaborated with engineers on early field failure analysis (EFA) for new devices to resolve common issues with updates or repairs.
- Managed and executed multiple device restorations and software updates using macOS, ensuring seamless functionality and the latest software versions for all Apple products.
- Mentored new technicians on identifying Apple device issues using hardware tests and analytics data.

NYC Department of Mental Health and Hygiene, IT Internship, New York, NY

July 2021 - August 2021

- Developed and executed PowerShell scripts to automate software updates across 500 DOH computers and mobile devices, enhancing system performance and security.
- Enhanced DOH system security against potential data breaches by managing network infrastructure, configuring firewalls, and conducting regular system and network backups.
- Collaborated with security experts, system administrators, and network engineers to address network hardware failures, such as malfunctioning switches or routers, which helped improve traffic inconsistencies.
- Developed and implemented a comprehensive application and asset inventory system, resulting in improved visibility and streamlined management of software resources.

Projects

Spot Up | TypeScript, Python, JS

- A real-time parking app, currently in progress, that is being implemented within the T4 stack, utilizing the capabilities of TypeScript, Tamagui, Next.js, Expo, Supabase Auth, Drizzle, and tRPC.

Arithmetic Expression Evaluator | C++

 February 2022 - May 2022

- Developed a semester-long project to create an evaluator for complex arithmetic expressions involving arbitrarily large integers and implemented a BigInt class capable of handling unlimited-sized integers, subject to memory constraints.
- The evaluator, operating within the constraints of a subset of the Python grammar, recognized operators and operands, constructing an internal representation (IR) of expressions, and accurately evaluating complex compound expressions.

NYC Tour Website Development | HTML, CSS, JS

 March 2023 - May 2023

- Independently developed a fully functional website of a NYC tour using HTML5, CSS3, and JavaScript while also leveraging Bootstrap for responsive design.
- Implemented modern web development techniques to ensure optimal user experience and functionality.

Extracurriculars/Volunteer

Computer Science Society Fordham University, Bronx, NY

September 2020 - September 2021

- Established connections with industry professionals by organizing networking events or inviting guest speakers.
- Created fun events for CS students to participate in virtually during COVID pandemic including tech trivia and game shows.

Fordham University, Tutor for CS 1600, Bronx, NY

December 2021 - May 2022

- Taught and explained fundamental topics, including variables, flow-control, arrays, functions, and introduced simple searching and sorting algorithms.