

Joseph Siracusa

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EDUCATION

Northeastern University <i>Bachelor of Science in Computer Science</i> Coursework: Algorithms & Data Structures, Computer Systems, Computer Architecture, Object Oriented Design, Foundations of Cybersecurity, Fundamentals of CS 1 & 2, Discrete Structures	Expected May 2027 Boston, MA
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EXPERIENCE

NExT Consulting <i>Software Engineer Intern</i> <ul style="list-style-type: none">Built 12 AI-native prototypes using multi-agent workflows and prompt engineering to guide Northeastern's AI strategyEvaluated 50 developer tools such as Arize Phoenix, LangChain and CrewAI to find the best-fit solution for the universityAutomated CI/CD with GitHub Actions, Docker and Render, eliminating integration bugs before production	Sep. 2025 – Dec. 2025 Boston, MA
Wyzant <i>Software Engineer Tutor</i> <ul style="list-style-type: none">Delivered SWE tutoring to students from high school to graduate level, tailoring sessions to academic and career goalsTutored 40+ students in DSA, test-driven development and DB design achieving 100% satisfaction over 300+ hoursDesigned interactive exercises using Replit & GitHub for students to apply programming concepts with hands-on practice	Jun. 2023 – Sep. 2025 Remote
Northeastern University <i>Computer Science Teaching Assistant</i> <ul style="list-style-type: none">Provided instruction to 170+ students on data structures, algorithms, and object-oriented programming in JavaMentored students on data structure selection and redundant computation over 10+ assignments to optimize time/spaceReinforced inheritance, polymorphism and encapsulation with 15+ code reviews, improving student code structure	Jan. 2025 – Apr. 2025 Boston, MA

PROJECTS

Breathe Easy Dart, Flutter, Google Map & Air Quality APIs, Docker, Git	1st Overall – CS Base Climate Hack
<ul style="list-style-type: none">Built a mobile app to compute optimal travel routes from real-time air quality data to help users avoid pollution hotspotsDeveloped reactive Flutter/Dart UI for intuitive route visualization, helping users better prioritize their respiratory healthIntegrated Google Maps & Air Quality APIs, mapping route segments using the UAQI to compare exposure between routes	
Portal Card Dart, Flutter, Google Wallet API, Git	3rd Overall - FinHacks 2025
<ul style="list-style-type: none">Created a demo mobile app for a hybrid credit-transit card concept to promote public transit adoption and sustainabilityImplemented the app in Flutter and Dart, managing state, UI and business logic to deliver a functional end-to-end demoLeveraged digital wallet integration via the Google Wallet API, enabling users to add Portal Cards to their wallets	
Math Monsters HTML/CSS, JavaScript, Git	1st in Track - PawHacks 2024
<ul style="list-style-type: none">Built an interactive educational game to teach young children foundational mathematics through customizable gameplayUtilized HTML, CSS, and JavaScript to implement game mechanics and provide an inviting UI for children	

TECHNICAL SKILLS

Languages: Java, Kotlin, Dart, Python, C#, HTML, CSS, JavaScript, Typescript, Go, SQL, R

Frameworks: React, Node.js, JUnit, Spring, Ktor, Flask, FastAPI, LangChain, Flutter, .NET

Developer Tools: Git, GitHub Actions, Docker, AWS, Linux

Concepts: Data Engineering, System Design, Cloud Computing, Data Structures, Algorithms, OOP, SOLID principles, Unit Testing