

Giulio Bardelli

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EDUCATION

Bachelor of Science (B.S.) in Computer Science, CGPA: 3.63 St. John's University, Queens, New York	expected 12/2024
Master of Science (M.S.) in Data Science St. John's University, Queens, New York	expected 12/2026

SKILLS

- Java | Python | JavaScript | React | MySQL | TypeScript | HTML | CSS | C++ | C
- English (Mother tongue) | Italian (Mother tongue) | Spanish (Intermediate, A2)

PROJECTS

Chess App:	05/2024 – 05/2024
<ul style="list-style-type: none">Created a chess app utilizing the React framework in TypeScript. Some key data structures utilized in this project are arrays, interfaces, lambda expressions, and much more. This program acts as a fully functioning chessboard that checks if the desired move is allowed or not, taking also in consideration special moves such as castling, or en passant.	
Budgeting Tool:	03/2024 – 04/2024
<ul style="list-style-type: none">Utilized JavaFX and a MySQL database to implement a school budgeting system. Array lists, lambda operations and various data structures were implemented to realize software features. Functionality included profile creation, messaging, expense tracking, and reimbursement approvals.	
Text processing:	11/2023 – 12/2023
<ul style="list-style-type: none">Implemented a text processing software system in java to calculate word frequency, stop words and much more using array lists, hash maps, and hash sets.	
Sneakerhead Application:	11/2023 – 12/2023
<ul style="list-style-type: none">Developed a web application in JavaScript to visualize and manage sneaker collections. Functional features included stock editing and sales enablement.	

WORK EXPERIENCE

- Research Assistant:** **05/2024 - Current**
 - Currently partaking in research with Dr. Ahmed Elgammal on utilizing Large Language Models to develop multilayer mind-maps.
- Student Researcher, Division of Computer Science, Mathematics and Science St. John's University**
 - Currently creating an AI powered tutor with a faculty member, a machine learning engineer, and fellow students. **01/2024 – Current**
 - Worked with a professor and a fellow student on a journal paper exploring encryption for gradient descent calculation in federated learning (Published). **01/2024 – 05/2024**
- Receptionist, Global Language and Culture Center, St. John's University**
 - Managed accessibility of office space while also managing the schedules of tutors. Took care of clients by scheduling their appointments, checking them in, and ensuring satisfaction with tutoring. Oversaw events that take place in the Global Language and Culture Center. **01/2023 - Current**
- Italian Tutor, Global Language and Culture Center, St. John's University**
 - Curated lesson plans and study materials for students and built a list of recurring clients. **08/2022 – Current**
- Computer Science Tutor**
 - Tutored undergraduate students in programming, data structures and algorithms, cyber security and cryptography, software design methods. **01/2022 – Current**

Extracurriculars

- Dean's list** **Fall 2021 – Present day**
- Gamma Sigma Alpha Honor Society** **03/2024 – Present day**
- Omicron Delta Kappa Honor Society** **03/2024 – Present day**
- SJU Cyber Team** **10/2023 – Present day**
- SJU ACM** **10/2023 – Present day**
- Pi Lambda Phi Fraternity** **11/2022 - Present day**