

# Giulio Bardelli

150-78 Goethals Ave, Jamaica, NY 11432 | +1 7747372140 | [giulioardelli.com](http://giulioardelli.com) | giulioarde@gmail.com

## EDUCATION

---

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

## 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**
  - 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**
  - 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**
  - 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.

## WORK EXPERIENCE

---

- Headstarter SWE Fellowship** **07/2024 – 09/2024**
  - Enrolled in the SWE Fellowship in which I will be working on one project per week during the first five weeks and on a final project the last two weeks. This program will allow me to improve my software development, group work and networking skills.
- 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**