

Priscilla Barbin

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Profile

Aspiring Software Developer with a strong interest in **Software Quality Assurance (QA)**, also open to opportunities in **front-end/back-end development, technical support, test automation, and technical documentation.**

Education

Postgraduate in Software Engineering

Universidade Paulista – Tatuapé, SP | Completed: 2025

Bachelor's Degree in Communication and Marketing

Universidade Paulista – Campinas, SP | Completed: January 2006

Associate in Computer and Information Sciences

Ocean County College – New Jersey, USA | Expected Completion: May 2026

GPA: 4.0 | Dean's List: 2022, 2023, 2024

Certifications

- Scrum Foundation Certification – CertiProf | Completed 2024
- Manual and Automated Software Testing Course – Udemy | In Progress
- CompTIA Network+ Certification | Completed 2025

Languages

- English (native)
- Portuguese (native)
- Spanish (fluent)

Skills & Competencies

- **Programming Languages:** Java, C++, C#, Visual Basic

- **Web Technologies:** HTML, XML
- **Tools & IDEs:** Eclipse, GitHub, Postman, JIRA, Selenium, TestComplete, Qase
(*Practical experience with version control using Git and GitHub in academic projects*)
- **Software Engineering:** Agile Methodologies, Scrum, Software Testing, Debugging, Software Architecture, RUP, AUP, OpenUP
- **Other:** Troubleshooting, Operating Systems, Information Retrieval, Networking
(CompTIA+ Network)

Academic Projects

Book Recommendation System with AI (Java + Weka)

- **Technologies:** Java, Weka, ARFF, GUI (Swing)
- **Description:** Developed a prototype for book recommendations based on genre and author, using Weka to train a classification model. Implemented a Java graphical interface for user preference selection. The project included data preprocessing, cross-validation, and testing with customized datasets.
- **Learning Outcomes:** ARFF file handling, integration with AI libraries, interface design experience.

Automated Testing of a Package Generation System (TestComplete)

- **Tools:** TestComplete, JSON, JavaScript
- **Description:** Simulated an automated testing environment for a fictitious package generation system based on JSON specifications. Executed functional and regression tests using JavaScript scripts, validating input, generation, and verification flows.
- **Learning Outcomes:** Creation of automated test scripts, use of structured input data, execution result analysis.

Binary Search System with File Reading (Java)

- **Technologies:** Java, Eclipse, Scanner, File I/O
- **Description:** Built a Java program that reads numbers from a .txt file, stores them in an array, sorts the values, and performs a binary search to locate the smallest number.

Included exception handling and best practices with try/catch.

- **Learning Outcomes:** File handling, data structures, search and sorting logic.

Software Quality Metrics Dashboard (Excel + Software Engineering)

- **Tools:** Excel, PMBOK, QA metrics
- **Description:** Designed a quality metrics dashboard to monitor KPIs in a simulated development cycle. Included metrics such as test coverage, defects per sprint, and bug resolution rate. The project was aligned with PMBOK practices and agile methodologies (Scrum).
- **Learning Outcomes:** QA metrics interpretation, data visualization, application of software engineering best practices.

Fruit Registration System with Prices (Java + ArrayList)

- **Technologies:** Java, Eclipse
- **Description:** Developed a program to store fruits and their prices using ArrayList, with functionalities for insertion, display, and sorting from cheapest to most expensive, simulating a mini e-commerce system.
- **Learning Outcomes:** Use of Java collections, sorting logic, object-oriented programming practices.

Activities & Interests

Passionate about reading, especially science fiction and fantasy, with continuous interest in exploring complex narratives and world-building.

Video game enthusiast, with appreciation for game mechanics, interface design, and immersive experiences.