

Eddy Pinarello

Computer Science student

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EDUCATION

Bachelor's Degree in Computer Science

University of Padua

📊 3.20/4.00 GPA

📅 Oct 2022 - Current

- **Programming and Computer Science:**
Algorithms and Data Structures, Programming I (C), Programming II (C++), Cybersecurity (Python, 30L/30), Operating Systems (28/30).
- **Database and Data Management:**
Designed and built a fully functional tennis tournament database in PostgreSQL from ER diagrams, achieving top marks for the project.
- **Mathematics and Statistics:**
Algebra and Discrete Mathematics (30/30), Probability and Statistics (27L/30), Calculus.

WORK EXPERIENCE

PLC Programmer Intern

Treviso, Carretta Srl

🔧 Ladder Problem Solving Industrial Automation Communication

📅 May 2021 – June 2021

- Worked closely with a senior PLC programmer, learning ladder logic and contributing to programming tasks.
- Facilitated communication between the CEO and the programming team, ensuring that **100% of project requirements** were clearly understood and implemented without delays.
- Assisted in testing production lines, identifying issues and helping to resolve them to ensure smooth operation during testing phases.

PROJECTS

RealEstate booking webapp

Fullstack webapp

🔧 JavaScript React CSS Node.js Prisma MongoDB

🌐 Repository

- Developed a secure login and registration system using JWT for token-based authentication, ensuring robust token handling and designed to support at least **10,000 users**, with strong protection against common vulnerabilities.
- Built a feature allowing users to post property listings with images and booking options, capable of managing at least **700 daily posts**.
- Integrated Socket.IO to support real-time messaging, designed to maintain a **99.9% message delivery rate** with scalability for future user growth.
- Utilized Prisma as an ORM to clearly define and manage database schemas in MongoDB, ensuring efficient data handling, with response times under **200ms**.

Corsa Ideale

Webpage Blog for Shoe Reviews

🔧 PHP HTML CSS JavaScript SEO WCAG Accessibility

🌐 Corsaldeale Link

- Led a team of **4 developers** in designing and building an interactive blog for shoe reviews, featuring like and rating functionalities.
- Applied WCAG 2.1 accessibility standards, achieving a **95+ accessibilitychecker.org score** for an inclusive user experience.
- Optimized performance, reducing page load times by **45%** through image compression, lazy loading, and efficient asset management.
- Enhanced SEO, leading to a **30% increase in organic traffic**, by improving semantic structure, meta tags, and response times.

Space Station Sensors Simulator

QT Desktop Application

🔧 C++ QT

🌐 Repository

- Developed a C++ Qt application simulating three sensor types using polymorphism, meeting all course requirements with **100% evaluation points**.
- Utilized the Visitor Design Pattern to enhance code maintainability and flexibility for sensor operations.
- Optimized sensor lookup by **50%** with a real-time search function using regex from automata theory, ensuring accurate data management.

ACHIEVEMENTS

Superhero Valley Mentee

Remote, Superhero Valley website

I am one of the Italian students chosen for the mentorship program of Superhero Valley, a community dedicated to guiding students in computer science fields. Superhero Valley is committed to helping **outstanding students** fulfill their aspirations and make a positive impact in their communities through **personalized mentorship** from **high-impact mentors** of the big tech industry.