

JHENALYN SUBOL

Catanzaro(CZ), Italy

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PERSONAL PROFILE

"I'm currently studying Computer Engineering at the University of Calabria and looking for opportunities to apply my skills and knowledge in real-world settings. Through my academic work, internships, and personal projects, I've built a solid foundation and a genuine enthusiasm for technology. I'm confident that my adaptability and dedication will help me make meaningful contributions as I continue to grow professionally in this fast-paced field."

WORK EXPERIENCE

Web Development Intern

Malaga, Andalusia, Spain

South Tours

July 2023 - September 2023

- Collaborated with the company's development team to design, develop, and implement a web application aimed at allowing users to discover, recommend, and purchase various products based on their interests and buying preferences.
- Implemented HTTP calls in PHP for user registration and authentication, as well as for requesting data from the web server.
- Utilized the following technologies and tools:
 - Backend: PHP,
 - Frontend: ReactJS,
 - Database: MySQL,
 - Libraries and frameworks: MUI, Bootstrap,
 - others: HTML5, CSS, Javascript, XAMPP, Github, Git.

Digital Archivist

Catanzaro, Italy

Associazione Culturale "Il Borgo Onlus"

June 2017 - July 2017

- Participated in the School-Work Alternation Program as a Digital Archivist at the school library.
- Worked on the digitization of books and paper documents, managing scanning processes and digital archiving.
- Played a key role in planning and implementing long-term conservation strategies for a specific library collection.
- Participated in shifts to provide assistance and support to library visitors.

EDUCATION

University of Calabria

Rende, Italy

Bachelor's Degree in Computer Engineering

Sept 2019 - Current

- Expected graduation: 2025

Istituto d'Istruzione Superiore "G. De Nobili"

Catanzaro, Italy

Diploma in Foreign Languages

September 2014 - July 2019

- Final grade: 95/100

Rizal Technological University

Mandaluyong, Philippines

Bachelor of Secondary Education Major in Mathematics

June 2012 - June 2014

- Completed 107 units towards BSE- Mathematics

Macalamcam- B National Highschool

Batangas, Philippines

High School Diploma

June 2008 - March 2012

- Graduated as Class Salutatorian | Student Council President S.Y 2011-2012

UNIVERSITY PROJECTS

Visualizing Linear Transformation

Fundamentals of Computer Science Module 1

Jan 2020 - Feb 2020

- Developed a simple application to visualize linear transformations of vectors in a two-dimensional Euclidean space which allows users to input coordinate values of vectors and a 2x2 matrix, with values preferably between (-5,5)
- Implemented calculation of linear transformations using NumPy and visual representation of results using Turtle graphics.
- [Github](#) repository
- **Technical Skills:** Python, Numpy, Turtle.

Arithmetic Expression Solver

Object-Oriented Programming

Jan 2022 - Feb 2022

- Implemented functionalities to apply and demonstrate knowledge of Stack operations within the application.
- Designed and created a user-friendly GUI interface to enhance user interaction and experience.
- [Github](#) repository
- **Technical Skills:** Java, Stack Data structure, GUI Framework.

Implementation of a 32-bit Carry-Select Adder using VHDL language

Digital Electronics

Oct 2022 - Nov 2022

- Designed and implemented a 32-bit Carry-Select Adder using VHDL to enhance arithmetic operations in digital circuits.
- Performed behavioral simulation, post-synthesis timing simulation, and post-implementation timing simulation to verify functionality and assess hardware resource usage.
- Documented the design process, including specifications, test plans, and results to ensure the clarity of the project.
- [Github](#) repository
- **Technical Skills:** VHDL(VHSIC Hardware Description Language).

Implementation of a Sequential Circuit using VHDL language

Digital Electronics

Dec 2022 - Jan 2023

- Designed and implemented a sequential circuit using VHDL to perform specific logic operations in a digital system.
- Performed behavioral simulation, post-synthesis timing simulation, and post-implementation timing simulation in 8, 16, and 32-bit to verify functionality and assess hardware resource usage.
- [Github](#) repository
- **Technical Skills:** VHDL(VHSIC Hardware Description Language).

E-commerce Project for Online Bookstore

Software Platforms for Web Applications

Dec 2023 - Mar 2024

- Developed an online bookstore e-commerce platform, providing users with a convenient and secure platform to browse, purchase, and manage books online.
- Designed and implemented key features such as book catalog browsing, search functionality, user authentication using Keycloak, shopping cart management, and checkout processing.
- Utilized a combination of front-end technologies (Angular) and back-end technologies (Springboot, MySQL) to create a responsive and user-friendly web application.
- Documented the development process, including requirements, design decisions, and technical specifications, for future reference and scalability.
- [Github](#) repository for Backend part
- [Github](#) repository for Frontend part
- **Technical Skills:** Java, Springboot 3, Angular 16, Keycloak, MySQL, Postman, IntelliJ, VS Code, Git, Github.

Mini-CAD: 2D Graphic Object Manipulation Application

Software Engineering

June 2024 - Sept 2024

- Developed a command interpreter based on a custom EBNF grammar for object manipulation.
- Designed a graphical user interface (GUI) using Java Swing, integrated with the command-line interface (CLI) logic to provide a seamless user experience.
- Used Design Patterns such as Interpreter and Composite to implement a robust and modular code.
- Applied Command Pattern to support undo functionality for reversible operations.
- Ensured real-time updates to the GUI by using Observer Pattern to synchronize object changes between the model and view components.
- Utilized JUnit framework for unit testing of the components.
- Documented the system architecture and interaction using UML diagrams.
- [Github](#) repository
- **Technical Skills:** Java, Software Design Patterns, UML Modeling, Java Swing, JUnit, IntelliJ, Git, Github.

SKILLS

- Hard Skills** Java, MySQL, HTML/CSS, Javascript, Object-Oriented Programming, Software Development, Database, Shell(Bash), Git, Github.
- Soft Skills** Adaptability, Time Management, Teamwork, Problem-solving, Passion, Committed.
- Languages** English ([BULATS CEFR](#) Level:C1) , Filipino (Native proficiency), Italian (Bilingual proficiency)

CERTIFICATES

Business Language Testing Service (BULATS)

2019

Cambridge University Press and Assessment English

- CEFR Level: [C1](#)

European Informatics Passport (EIPASS)

2017

[ID](#) credential: P5NY01TLHZ

