Ana María Guevara Roselló

Computer Science Engineering Student
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Spanish(Native) • English(Advanced)

Currently studying Computer Science Engineering at Tecnológico de Costa Rica. Efficient, organized, with knowledge of Python, C++, C, Java, JavaScript, Bootstrap, HTML. Proficient learner of new technologies and an innovative programmer. Leadership and soft skills.

EDUCATION

Bachelor of Computer Science Engineering.
Tecnológico de Costa Rica
February 2018 – Present

B2 - Oxford Test Of English, Oxford University Press.
Issued Dec 2022, Credential ID 15088751
Data Structures, Stepik.
Issued Jun 2020, Credential ID 381814
Introduction to Git, DataCamp.
Issued May 2020, Credential ID 14,388,754
Introduction to Shell, DataCamp.
Issued May 2020, Credential ID 14,209,404
Introduction to R, DataCamp.
Issued Jul 2021, Credential ID 15,976,463

TECHNICAL SKILLS

Programming Languages: Java, Python, C++/C, R, JavaScript.
Web Development: JavaScript, Bootstrap, XML, CSS, HTML, Node.js, Express.
Android Development: Android Studio, Java, Retrofit, XML layout.
Relational Databases: SQL Server, MySQL.
NoSQL Databases: MongoDB.
Data Visualization: PowerBi, Tableau, Processing.

PROJECTS AND COMPETITIONS

Web-Based File Drive Project, 2023
- Collaborated with a team of four on a web-based file drive application. Developed Front End using HTML, Bootstrap, and JSP, and Back End with Java and Tomcat.
- Designed and implemented the user-friendly Front End interface with HTML and Bootstrap.
- Developed the Back End logic using Java to handle user authentication, file management, text line commands, directory management and data sharing between users.
- Ensured data integrity and security, preventing duplicate file names and Integrated XML for persistent data storage.
- **Technologies Used:** HTML, Bootstrap, JSP, Java, Tomcat, XML.

Spotify Music Player for Android, 2022
- Developed a Spotify music player Android app using Android Studio and Java, integrating the Spotify API to provide music streaming functionality.
- Implemented user authentication and authorization for Spotify API access.
- Designed and implemented user-friendly interface with features like playlist management and playback controls, using XML layouts.
- Use of RecyclerView for data display and Retrofit for REST API Request management and data retrieval.
- **Technologies Used:** Android Studio, Java, Spotify API, RecyclerView, Retrofit, XML layout.

IEEE Xtreme Programming Competition.
Participated in the IEEE Xtreme Programming Competition in four consecutive years (2019, 2020, 2021, 2022), an annual global programming competition with teams from over 60 countries. Collaborated with team members to solve complex programming challenges within a 24-hour timeframe, gaining valuable problem-solving, time management and teamwork skills.

VOLUNTEER EXPERIENCE

Chair, *IEEE Student Branch TEC*, Costa Rica.
February 2021 - Present
Serving on the Directors Board, I have played an important role in the organization of multiple national and international multidisciplinary workshops, talks and conferences, volunteering programs, and activities. From which I gained experience in organization, leadership, group work, and technical skills.

Chair, IEEE Computer Chapter TEC, Costa Rica.
February 2019 - Present
As part of the Directors Board, I was able to successfully organize, host, and attend multiple national and international programs and conferences directly related to computer engineering, programming, and technology skills. From which I gained technical experience and skills, knowledge of project management, inclusive programming, data structures, and algorithms.

Team Leader, IntegraTEC Program, Tecnológico de Costa Rica
October 2019 - June 2021
Led a team of students as mentors for newcomers. I was responsible for supervising, coordinating, and giving advice to the mentors in their labors. I was a collaborator and organizer of various activities such as a virtual event for enrollment help for over 100 students from all over Costa Rica, and the vocational TEC fair as a speaker for over 150 high school students.

***Workshop Instructor IEEE Student Branch TEC*, Costa Rica.**
July 2019
As an instructor and collaborator of S.T.E.A.M workshops (Science, Technology, Engineering, Art, Mathematics), I was able to instruct and teach primary and high school students from the Cabecar indigenous zone at Valle de la Estrella, Limón, Costa Rica, about different branches of science and technology, hopefully, making them to develop an interest in these fields.