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Work Experience

Visteon Corporation   Ago. 2022 - Present
Software Engineer

HMI Developer & Internal Tools Architect

- Key role in the development of v363, v710, v769 & p758 ford programs HMI.
- Led code reviews and static analysis to uphold quality standards.
- Proactively reviewed and analyzed requirements to deliver solid solutions.
- Participated in CES concepts, representing the company's solutions.
- Led the upgrade of existing legacy frameworks to enhance efficiency and alleviate workflow pain points.
- Led the creation of new tools and frameworks to enhance developer productivity.
- Skills in Unix, IPC, CAN, Networking, reverse engineering data analysis and data engineering for internal projects.

Freelance Developer   Ene. 2021 - Feb 2023
Team Lead

- Coordinated a team of 4 developers to create software solutions for small and medium-sized businesses.
- Developed custom applications that helped clients to improve internal processes and increase revenue.
- Implemented Agile workflows in the team.
- Focus on fulfill customer needs & delivering a reliable solution.
- Designed a management platform for a retail store that increased sales by 15%

CIDESI   Ago. 2021 - March 2022
Intern

Social Service

- Computer vision algorithms implementation and theory in Python and Matlab
- Search & Cleaning of free flowers images for the validation of a flower-counting algorithm
- Creation of a open Dataset of flower images.
- Said Dataset allowed researchers to improve the accuracy of the flower-counting algorithm by 20%
- Cleaning, segmentation & counting of flowers via Computer vision algorithms and frameworks.

Education

Tecnológico Nacional de México Campus Querétaro
2017-2023
Computer engineering, with specialization in distributed systems.

Skills

Programming Languages C#/F#, C/C++, Python, Go, Rust, Swift, Java, Kotlin, SQL, Bash, Powershell.
Developer Tools CANalizer, Git, GitHub, Jira, GDB, RenderDoc, Unity, Godot, Blender.
Operating Systems Windows, MacOs, Linux, QNX.
Frameworks WPF, AvaloniaUI, QT, Robot Framework, OpenCV, TensorFlow, FastApi.
Languages Spanish, English.
Soft Technical Skills Data Analysis (Collecting, Processing & interpreting)
   Project Management (Planning, Organizing & Executing)
   Technical Writing (Writing clear & concise technical documentation)
   Presentation Skills (Communicating technical information effectively to to all audiences)
Technical Interests Compilers, Operating Systems, Artificial Intelligence, Game Engines, Functional Programming.