

# ALEXANDER VARGAS MARTINEZ

Costa Rica - Alajuela

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## Professional Summary

- Multidisciplinary Software Developer and 3D CAD Designer with a strong background in the dental solutions industry and a proven ability to deliver precise, compliant, and innovative results. Experienced in 3D modeling, full-stack development, data analysis, and automation, with additional strengths in networking, process optimization, and UI/UX design. Adept at working across teams, managing sensitive data, and contributing to the development of scalable software tools. Committed to accuracy, security, and continuous improvement, with a solid foundation in engineering principles and cross-functional collaboration.

## Education

**Bachelor's in Computer Engineering** | *Universidad Central*

**Alajuela (Sep 2024 - Dec. 2027)**

**Technician in Software Development** | *CALUFA*

**Alajuela (Ene 2016 – Dec 2018)**

**Cisco Certified Network Associate** | *Universidad De Costa Rica*

**Alajuela (Agu 2024 - Dec. 2024)**

**English Studies** | *Universidad Tecnica Nacional*

**Alajuela (Ene 2016 - Dec. 2016)**

**Data Visualization** | *Universidad Fidelitas*

**Alajuela (Sep 2024 - Dec. 2024)**

## Experience

**Align Technology**

**Apr 2019 – Jun 2024**

*3D CAD Designer*

*Belen, Heredia*

- Design and development of 3D models for dental treatments. Refine treatment and customer satisfaction through the use of advanced CAD software.
- Supervision and mentoring of new employees during their transition from training to the production environment, contributing to effective and rapid staff integration.
- Verification of compliance with clinical and production standards by updating and reviewing regulations and procedures.
- Development of modifications and revisions of existing designs based on the engineering team's instructions, ensuring alignment with technical and operational requirements.
- Contributed to the development of software for process standardization, helping define key requirements and features, and facilitating the integration of technological solutions to optimize procedures and ensure consistency across projects.

**Dirección General de Migración y Extranjería**

**Apr 2018 – Jul 2018**

*Software Developer*

*Uruca, San Jose*

- Development and structuring of an application for managing civil aviation flights, collaborating in the creation of the project architecture and database design.
- Participation in requirements analysis to define key functionalities and design the user interface to optimize usability and ensure effective system integration with civil aviation processes.

**Instituto Costarricense de Electricidad**

**Jun 2017 – Dec 2017**

*Commercial Support Executive*

*Atenas, Alajuela*

- Provide first line support to clients regarding telecommunications, electricity, or business solutions services.
- Analyze and document business processes following established formats.
- Identify inefficiencies, control gaps, and propose corrective measures.
- Ensure procedures are followed accurately by staff in multiple departments or locations.
- Monitor the compliance and performance of recurring operational tasks (Ex.service requests, billing adjustments, credit notes).

## Technical Skills

- Developer Tools: VS Code, Eclipse, NetBeans, Visual Studio, Google Cloud Platform, Android Studio
- Networking: CCNA, LAN/WAN, routing, switching
- Tools-Software: Windows, Linux, Power BI, Git, Power Apps, Excel (Large Data Sets), MS Office
- Programming-Automation: Python, VB.NET, CSharp, SQL, Java, CI/CD practices
- Front-End: HTML, CSS, JavaScript, Nextjs, React, Tailwindcss, Bootstrap, TypeScript
- Soft Skills: Critical Thinking, Attention to Detail, Problem-solving, Effective Communication
- Languages: Spanish (Native Proficiency), English (Professional working proficiency)