

# **Lado Oniani - Software Engineer / Artist**

## **Objective:**

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As a software engineer and multidisciplinary artist with expertise in mechanical engineering and industrial design, I am dedicated to developing cutting-edge technologies in the field of synthetic entities, experimental educational and assistive technologies, and interactive robotic concepts. My research and development focus is on natural language processing and the creation of advanced computing methods and techniques.

In my role as a freelance software engineer, I offer full-stack development services for complex products and applications, as well as specialized tasks in intelligent robotics and design. I am committed to finding creative solutions for real-world problems and utilizing best practices in software design to deliver high-quality results. My proficiency in computer programming, data structures, and algorithms, along with my ability to quickly learn and approach projects with a creative and analytical mindset, allow me to deliver exceptional solutions.

## **Skills:**

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My specialties include full-stack software development and the creation of desktop and web applications, including editors, NLP semantic analysis algorithms, chatbots, graphic algorithms, generators, and machine learning applications. My interests in research and development extend to areas such as natural language processing, algorithm design, and robotics. I am dedicated to expanding my expertise and staying current with the latest advancements in these areas. Additionally, I have experience in 3D design, part and assembly modeling, as well as artistic and industrial design.

## **Programming languages and frameworks:**

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I have experience working with a variety of programming languages and frameworks including C# (.NET Framework and .NET Core), TypeScript, JavaScript, Python, PHP, and HTML/CSS. I have experience with desktop and web application development, utilizing technologies such as WinForms, WPF, ASP.NET, Angular, Ionic, Node.js, PyQt, Flask, and more. I am also familiar with a range of databases including MySQL, PostgreSQL, MSSQL, MongoDB, and Firebase. I also have experience with C++ and microcontrollers.

## **Full-stack software development and computer programming:**

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- Full-stack software development
- Computer programming
- User interface design
- Proficient in various programming languages
- Experience in data structures and algorithms
- Experience in designing and implementing software systems and architectures
- Specialization in natural language processing
- Experience in developing algorithms for various applications

## **Mechanical engineering and industrial design:**

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- Mechanical engineering
- Industrial design
- Product development
- Designing and manufacturing of mechanical systems and components
- Proficient in CAD software and 3D modeling
- Experience in application of industrial design principles in robotics and other product development
- Keen eye for aesthetics and ergonomics

## **Intelligent robotics and control systems:**

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- Intelligent robotics
- Control systems
- Robot design and creation
- Computer vision
- Synthetic entities development
- Interactive technologies development
- Knowledge of machine learning and Artificial intelligence principles and applications

## **Analytical problem-solving and creative thinking:**

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- Strong analytical skills
- Utilization of design thinking
- Knowledge of user-centered design principles
- Real-world problem-solving
- Focus on designing and implementing creative and efficient solutions
- Continuously learning new techniques and best practices in programming and data structures.

## Education:

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- 1997-2001: Technical University - Bachelor's degree in Automated Systems of Control and Data Processing, Systems Engineer
- 1998-2001: Academy of the Humanitarian Arts - Fine Arts, Graphic Artist and Art Studies.

## Contact

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