Tonči Hrgović

Professional Summary

AI Engineer/Developer with sensor-fusion knowledge, real-time dashboards, and skills in UX/UI design.

Experience

0.2.1 Freelance UX/UI Designer

09/2023 – 05/2024, Osijek - Redesigned web flows and interfaces in Figma, improving user engagement and clarity - Developed style guides and component libraries to ensure consistent branding - Created a new Photo/Video portfolio section, enhancing visual appeal
- Conducted user testing and incorporated feedback to streamline navigation - Managed client communications and project timelines from concept to delivery

0.2.2 mmWave Parking Solution Developer

02/2025 – 09/2025, Osijek - Built a hands-on parking detection prototype using TI's AWR1843AOPEVM radar sensor and an STM32 Nucleo board - Made Python script with AI assistance to capture and parse high-frequency radar data - Configured ground sensors channel on the Nucleo board, integrating ADC measurements with radar outputs for enhanced detection accuracy - Designed and deployed a Plotly Dash dashboard for live visualization and used Tera Term for serial monitoring

0.2.3 Vehicle Fleet Administrator, Hrvatski Telekom

04/2019 – 09/2019, Osijek - Scheduled maintenance and tracked over 50 vehicles - Automated status reporting, delivering timely insights to management - Created Excel-based dashboards to monitor fleet performance

0.2.4 Bartender & Server

2017 – 2021 - Learned through the job about user experience, customer psychology - Developed strong communication and teamwork skills - Adapted to dynamic workflows and resolved customer issues promptly

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Education

- **UX/UI Design**, Algebra (09/2023 – 05/2024)
- **Microsoft IT Support Specialist**, Microsoft (09/2014 – 12/2024)

Courses

- **AI Engineering & Development**, Udemy (2024-2025)
- **Python courses**, Udemy (2024-2025)
- **UX/UI courses**, Udemy (2023-2025)

Technical Skills

- **Programming Languages:** Python (pandas, NumPy), JavaScript (React), C (STM32)
- **AI/ML:** NVIDIA Nemotron API, prompt engineering
- **Embedded & Hardware Tools:** STM32CubeIDE, CubeMX, TI AWR1843 SDK, Figma
- **Data Visualization & DevOps:** Plotly Dash, Docker, GitHub

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Languages

- Croatian (native)
- English (C2)