Joel **Jonassi**

📞 **+351 936159188** | ✉ joeljonassi@outlook.com | 💼 **LinkedIn** | 🗃 **Portfolio** | 📍 **Eindhoven , Netherlands**

SUMMARY

IT Systems Engineer skilled in problem-solving and solution development. Dedicated to continuous learning and passionate about leveraging technology to drive innovation and efficiency.

PROFESSIONAL EXPERIENCE

Software engineer

Linovt – Engenharia Software, Lda. **Porto,** Portugal **| 09/2023 – 10/2024**

- Developed RESTful API and mobile application to streamline messaging within workshop management, enhancing operational efficiency and communication.
- Created a workshop support platform to optimize workflows, increase productivity, and elevate customer service quality.

Intern Software Developer

Optimizer – Serviços e Consultadoria Informática, Lda.

Porto, Portugal **| 02/2023 – 06/2023**

- Collaborated with electronics and computer systems engineers to develop an animal-tracking system for farmers, providing real-time oversight and reducing livestock losses.
- Designed a mobile application for farmers to monitor livestock and a web platform for administrators to manage users and devices.

Marine Electrician

West Sea   Viana do Castelo, Portugal | 08/2021 – 01/2022

- Integrated electrical systems into boat structures, ensuring compliance with design requirements.
- Conducted testing and troubleshooting to ensure optimal functionality and safety of electrical system.

Intern Electronics, Automation and Control Technician

MCL Components Lda. | **Zejtun**, Malta | **01/2018 – 03/2018**

- Developed and tested prototype for the Eggxactly project (boiled eggs without water).

Intern Electronics, Automation and Control Technician

NIBBLE - Engenharia, Lda. | **Trofa**, Portugal | **04/2017 – 06/2017**
Main activities:

- Assembled and manufactured luminaires, push buttons, and intrusion and fire detection systems.

Intern Electronics, Automation and Control Technician

Sataedu School | **Pori**, Finland | **03/2016 – 04/2016**

- Programmed PLCs using Ladder Language and mounted pneumatic circuits.

HONORS & AWARDS

- **1st Place** – IdroneCup | IPCA, 2017.
- **RoboParty Participant** | University of Minho, 2017.

EDUCATION

Viana do Castelo Polytechnic Institute (IPVC)
M.S. in Cybersecurity | Viana do Castelo, Portugal
09/2024 – Stopped
Level 7 in EQF

Cávado and Ave Polytechnic Institute (IPCA)
B.S. in Computer *Systems Engineering* | Barcelos, Portugal |
09/2020 – 07/2023
Level 6 in EQF

CIOR Professional School
Technician in Electronics, Automation, and Command | Vila Nova de Famalicão, Portugal | 09/2015 – 06/2018
Level 4 in EQF

Escola Profissional do Songo
Electrician Technician | Cahora Bassa, Tete, Mozambique | 2012 – 2014
Level 3 in EQF

PUBLICATIONS

Virtual Reality for Public Speaking Phobia Mitigation, co-authored with Luís Ferreira and José Cerqueira. Presented at the Centeris Conference, 2023 (DOI: 10.1016/j.procs.2024.06.416).

COURSEWORK

- **Data Structures & Algorithms**: Designed job scheduling to optimize production timelines
- **AI for Schedule Optimization**: Built an intelligent agent for class scheduling, reducing travel and resource use
- **Computer Vision**: Created image recognition to categorize oranges, enhancing production accuracy
- **Legal Support System**: Developed case management and deadline tracking for improved legal workflows.

SKILLS

- **Programing Languages/Frameworks:** C/C++, C#, Python, Javascript, Html/CSS, SQL, Kotlin, Dart, Flutter, .NET, Blazor, Angular JS, Unity.
- **Database**: Relational and Non-Relational (PostgreSQL, MongoDB).
- **Business Intelligence & Data Analysis**: Kettle, Power BI, AI Algorithms, Machine Learning
- **Electronics Knowledge:** Microcontroller Programming, PCB Design, Simulation with Multisim, PLC (Ladder Language).
- **Operating Systems**: Windows, Linux