RUI PIRES

SOFTWARE DEVELOPER

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ABOUT ME

Software development student with a strong foundation in engineering, coupled with a rich background in music, handling high-pressure environments effectively. Passionate about innovative challenges, project-based learning, and collaborative environments. Skilled in software development and excited to apply my knowledge to real-world projects in the fields of mobility and technology. Actively seeking opportunities to contribute and grow in a dynamic, project-focused program like SEA:ME

PROJECTS

Finalist - Hackathon, Google Cloud Portugal
Jul 2024

- Developed a smart healthcare triage system using AI and the Manchester Triage System, designed to assess patient urgency based on natural language inputs (text/voice).
- Technologies: Python, AI, Google Cloud, Django.

2nd Prize - Hackathon, CaetanoBus
Jul 2024

- Designed and developed an interface to manage production planning data, optimizing operational efficiency at CaetanoBus.
- Integrated a back-end system with Django and a front-end using React to automate data tracking and reporting.
- Technologies: Django, React, SQLite.

1st Prize - Hackathon, Vicaima
Jun 2024

- Development of a web platform for performance evaluations to improve communication and efficiency.
- Built role-based access systems and integrated mass data uploads and event management tools, focusing on usability and data security.
- Technologies: Django, SQLite, React.

FPV Drone Build
Jun 2023

- Built a 5" freestyle FPV drone from scratch, gaining practical experience in hardware integration, flight configuration, and troubleshooting.
- Overcame technical challenges in soldering and firmware configuration, enhancing problem-solving skills.
- Technologies: Betaflight, EdgeTX, ELRS.

PROFESSIONAL EXPERIENCE (MUSIC)

Solo Horn, Badische Staatskapelle Karlsruhe
Nov 2020 - Jan 2021

- Managed a team of eight musicians, developing leadership and collaborative skills.
- Demonstrated adaptability and focus in high-stress performance situations, skills transferable to fast-paced software development environments.

EDUCATION

Software Developer, 42 Porto
Expected Graduation, Nov 2024

- An intensive project-based software development program, focusing on problem-solving, collaboration, peer-to-peer learning and innovation in real-world scenarios.

Bachelor of Music, Hochschule Für Musik Karlsruhe
Sep 2017 - Jul 2021

- Specialized in orchestral performance as a solo horn player, demonstrating precision, discipline, and focus in high-pressure environments.

SKILLS

Programming Languages: Python, C, C++, JavaScript, CSS, HTML, SQL.

Frameworks & Tools: React, Django, Google Cloud Platform, Docker, Git, Yii2 (PHP), Betaflight, EdgeTX.

Technical Competencies: Cybersecurity Fundamentals, Linux, API Development, Hardware & Drone Technology.

Soft Skills: Leadership, Team Collaboration, Communication, Problem Solving.

Languages: Portuguese (native), English (intermediate), German (intermediate).