



# 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, excelling in high-pressure environments. Passionate about innovative challenges, project-based learning, and collaborative environments. Skilled in software development and eager 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
- Development of an interface to manage production planning data, enhancing 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, SQL.
- 1st Prize - Hackathon, Vicaima** Jun 2024
- Designed and developed a web platform for performance evaluations to improve communication and efficiency in a corporate setting.
  - Built role-based access systems and integrated mass data uploads and event management tools, focusing on usability and data security.
  - Technologies: Django, SQLite, React, Role-Based Access Control.
- 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 and project management skills.
  - Technologies: Betaflight, EdgeTX, ELRS.

## PROFESSIONAL EXPERIENCE

- 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 settings, 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, and innovation in real-world scenarios.
  - Mastered languages such as Python, C, and C++, while developing web platforms using React, Django, and Google Cloud.
- 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).