



# PAULO MARTINS

FULL-STACK ENGINEER  
SOFTWARE DEVELOPER / NLP  
WEB ENGINEER / SYS ADMIN  
COMPUTER GRAPHICS / POLYMATH

Email: [paulo.jorge.pm@gmail.com](mailto:paulo.jorge.pm@gmail.com) | Born: 1987/01/15 | Portuguese | Website: <http://paulojorgepm.net>

## <EXPERIENCE />

- 2022** **Full-Stack Engineer @Viz.ai**  
Website: <https://www.viz.ai>
- 2017 - 2021** **IT Senior R&D @University of Minho**  
Full-Stack Engineer; Sys Admin; Software Developer; Web Engineer.
- 2010 - 2021** **Researcher & Invited Professor @UM**  
Researcher/Prof. on Web Engineer & Semantic Web; NLP; Computational Graphics; Microservices architecture. Won 3 fellowships.
- 2015 - 2021** **Projects & Collaborations**  
Bosch project: Ride Care; Coord. Major Minors (1st prize FCCN); BragaTV; Netlang; Psychology School R&D videogame etc.
- 2005 - 2021** **Freelancer Software / Web Dev**  
1st website at age 14; sold 1st app at 19.

## <EDUCATION />

- 2019 - 2021** **Master degree on Computer Science**  
University of Minho / Invited Assistant Professor  
Thesis themes: Microservices / WASM / Rust
- 2010 - 2013** **Master degree on Cinema and Media**  
University of Minho / R&D Fellowship: BI  
Thesis: developed a pedagogical videogame
- 2007 - 2010** **Bachelor on Linguistics (+ Philosophy)**  
University of Minho / R&D Fellowship: BII

## <ACADEMIA/>

- Published Papers: 6**      **Conference Papers: 8**  
**R&D Projects: 7**        **Conference Organizer: 2**  
**Fellowships: 3**         **Thesis: 2**  
**Classes Taught: 3**      **Developed applications: 30+**

## <SKILLS & TOOLS />

Summary of implementations. Favourite tools in red

**Dev:** **Python** | Rust | JavaScript | C | Kotlin | Java | PHP | Lua | etc.

**Web:** **Flask** | Django | NodeJS | Actix | HTML | **WASM** | HTML | CSS | JQuery | React | Vue | Web2py | **AJAX** | etc.

**Misc:** **Linux** | NGINX | Apache | **Docker** | Kubernetes | **Microservices** | Linkerd | RabbitMQ | Jupyter N | Istio | DAWs | **Raspberry** | Photoshop | Blender | etc.

**DBs:** **Triplestores (RDF)** | SQL | NoSQL | PostgreSQL | **Redis** | **ArangoDB** | MySQL | Neo4J | **CockroachDB** | **GraphDB** | etc.

**Graphics:** **Godot** | Unity | Tk | **Kivy** | Pygame | Pyglet | **Bevy** | QT | Goocy | OpenGL | React Native | Cocos2D | etc.

## <AWARDS />

### 1st prize Arquivo.pt / FCCN 2021

Project: Major Minors (coord). National annual award for best application. Site @ <http://minors.ilch.uminho.pt>

### Best research paper

LinkedArchives conference (INESC TEC) selected best research paper for expanded publication.

## <ACHIEVEMENTS />

### 2019: Erasmus+ @ Japan

Kanazawa University | Mobility grant

