

Joshua Du Plooy

Curriculum Vitae

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📁 Professional Summary

Final-year BSc IT Robotics student with 95% completion of BEng Mechatronics. Hands-on experience across mechanical, electrical, and software engineering – PLC programming, embedded systems, automation, and circuit design. Passionate about building smart, integrated systems that solve real-world problems.

📁 Experience

- 2016–Present **Private Coach, Self-employed, South Africa**
Coached competitive players incl. Maties Table Tennis team; built structured training programmes developing technical skill and teamwork.
- 2023 **Electronics QA & Repair, Salvage Co.: Discounters, South Africa**
Quality control on auctioned electronics; repaired inverters, drones and consumer electronics.
- 2022 **Mechatronics Intern, Acepak, Cape Town**
Programmed PLCs and designed control logic for automated packaging lines; designed and wired electronic circuits for industrial automation.
- 2021–Present **Part-time Operator, Foilworx: Engraving & Tooling, Cape Town**
General factory machine operation, CNC milling, and deliveries.
- 2017–2018 **Engineering Intern, NAKO Group Tricon, Cape Town**
Assisted in HVAC, fire-control and evacuation system design; produced technical drawings and supported engineering teams.
- 2026–Present **Treasurer & Tournament Director, Ravens TTC, Cape Town**
Keep track of the club finances. Coordinate club events, including: event entries; running draws; website management; match scheduling; umpire management and player/coach disputes

🎓 Education

- 2023–2026 **BSc IT (Robotics), Eduvos, South Africa**
Complete
- 2026–Present **BSc(Hons) IT (Data Science), Eduvos, South Africa**
In Progress
- 2016–2022 **BEng Mechatronics (95% complete), Stellenbosch University, South Africa**

⚙️ Skills

- Programming C/C++, Java, JavaScript, Python, MATLAB
- Web & Databases React.js, Node.js, Express.js, MySQL, SQLite, MongoDB
- Electronics & Mech. PLC systems, embedded design, circuit design, LT Spice, HVAC, motor/bearing sizing, CAD modelling
- Robotics & Automation Mechatronic integration, control systems, IoT applications

🗣️ Languages & 👥 Leadership

- Languages English (Fluent), Afrikaans (Intermediate)
- Maties Table Tennis Former Chairman & Head Coach – team management, event organisation, competitive training.

📁 Miscellaneous

- Driver's Licence Code B – own reliable vehicle
- Equipment Personal desktop PC and laptop (remote/hybrid ready)
- Availability Immediate – open to travel and relocation; no notice period
- Work Eligibility South African citizen
- Interests Robotics, automation projects, table tennis, gym, gaming, anime/manga, travel
- References Available on request