Jack Lund

COMPUTER ENGINEER

CONTACT

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A sub 46 of vaarlekop farm, KwaZulu-Natal, South Africa

EDUCATION

University of Pretoria
2021-2024

Lynnwood Rd, Hatfield, Pretoria

Bachelor of Engineering (BEng): Computer Engineering

SUMMARY

A Computer Engineer from the University of Pretoria. I graduated in four years and acquired the knowledge to make my ideas real. I have extensive knowledge of hardware (electronic/circuitry) and software development and implementation. My final year project was a computer vision autonomous paintball gun which I designed, built coded, and implemented from first principles. To borrow some words from a famous man, I am only passionately curious. Discovering, inventing and creating is everything to me.

EXPERIENCE

Shock Wave Engineering

Junior Computer Engineer / 2023-2023

- Vacation work
- Visit opertaion sites and repair/replace/install equipement/untis.
- Design and implement testing equipment for the radio telemetry.

Pro-Hydraulics

Junior Software Engineer / 2023 - 2023

- Very short vacation work experience of two weeks.
- Create a desktop hydraulic parameter calculator to be used by employees as a tool.
- Helped in starting a user-friendly web-based app.

SKILLS

Software Development

Embedded System Design

Control System Design

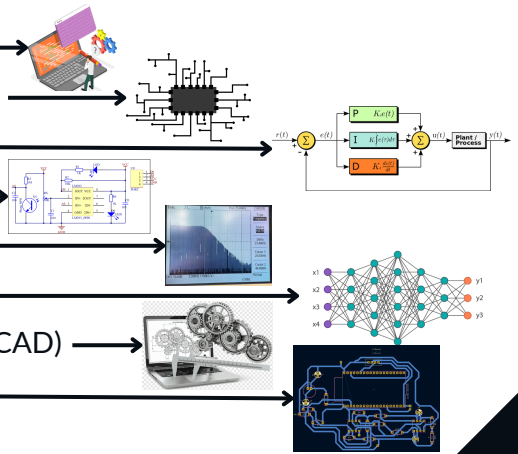
Analog Electronics

Signal Processing

Intelligent Systems

Computer-Aided Design (CAD)

PCB Design



INTERESTS

Sport

- Kayaking
- Hard enduro (motorbike/dirtbike)
- Squash
- Running

Hobbies

- Drone building (racing drones)
- Hiking/camping
- Gaming (PC)

PROUDEST ACHIEVEMENTS

Academic

- Headmasters Award in matric (award given to students who demonstrate the school's values and ideals).
- Matrix final result of 89% average (excluding LO).
- Completing BEng Computer Engineering in 4 years with an average above 65%.
- Coming top 10 in the third-year robot race (see reference letter and link to the video)
- Completing my final year project (autonomous computer vision paintball gun) from first principles and achieving a distinction.

Other

- Completing three Dusi canoe marathons.
- White water kayaking on the Zambezi.
- Representing KZN squash for three years.
- Completing three half marathons.

LINKS

Final year project

- https://www.overleaf.com/read/vvfmtqscrnqj#29a909
- https://youtube.com/shorts/NI29njRsTSk?feature=share

Robot race

- https://www.youtube.com/watch?v=cvC4_sSFIMU&ab_channel=EstiePowell

Social media

- Instagram: https://www.instagram.com/jack.r_lund/profilecard/?igsh=OTRpaXY5YzkzMHFp
- Linked In: https://www.linkedin.com/in/jack-lund-b0042730a?utm_source=share&utm_campaign=share_via&utm_content=profile&utm_medium=ios_app