

# Willem Grasso

Clinical Technology BSc | Aspiring Neuroengineering Intern (BCI)

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## SKILLS

### Programming

Python

### Data & Modeling

Scientific Python, computational modeling, system analysis

### Hardware

Arduino, Raspberry Pi, motors, sensors, electronics

### Robotics

Control systems, prototyping

### Tools

Circuit design

## RELEVANT COURSEWORK

Neural Signaling

Sensory Systems

Bioinformatics

Electronics & Circuits

Medical Technology

Musculoskeletal Systems

## INTERESTS

Neurotechnology

Brain-Computer Interfaces

Robotics

Human-Machine Interaction

Humanitarian Engineering

## PROFILE

Clinical Technology student at TU Delft specializing in neurotechnology, robotics, and hardware-software integration. Proficient in Python-based data analysis and computational modeling. Seeking neuroengineering internship in brain-computer interfaces.

## EDUCATION

### Bachelor of Science – Clinical Technology

*Delft University of Technology (TU Delft), Netherlands*

Focus: Neural signals, bioinformatics, electronics, engineering principles

## EXPERIENCE

### Surgical Robotics Intern

*Amphia Hospital, Netherlands*

- Observed 20+ surgical procedures including 15+ robot-assisted operations on Da Vinci Surgical System
- Completed robotic simulations integrated with live clinical workflows under surgeon supervision
- Participated in technical discussions on haptic feedback integration for surgical robotics

## PROJECTS

### Community Incentive Program – Namibia

- Designed and deployed scalable waste-for-food exchange system in Epukukiro township
- Sustained collection of 50+ trash bags per session across twice-weekly operations

### The Farm Orphanage – South Africa

- Co-founded family-led orphanage supporting children transitioning from street life
- Managed technical coordination, website development, and volunteer operations

### Happie – Mobile App

- Built full-stack meal planning application with backend infrastructure
- Engineered data handling and user flows; preparing for App Store release

## VOLUNTEER

**Wildlife Conservation** – Central Namibia – Animal preservation and habitat conservation

**Lifeline Medical Outreach** – Eastern Namibia – Rural health clinic support