

# Zain Shahid

## Education

### PhD Prosthetics and Orthotics

University of Salford 2019 - ongoing  
Centre for Doctoral Training (CDT) in Prosthetics and Orthotics.

Research title: Design Loading Mechanisms and a Phantom Foot that Enables the Mechanical and Physiological Behaviour of the Human Foot to be Mimicked under Realistic Conditions.

### BEng Mechatronic Engineering

The University of Manchester 2015 - 2019

Modules included:

- Applied Mechanics and Industrial Robotics
- Control Systems
- Micro-controller Engineering

- Team leader for autonomous buggy project
- Final year project to develop a low cost, gravity-assisted upper limb rehabilitation system

## Volunteering

### Chair and International Challenges Manager RAG (Raise and Give)

The University of Manchester 2018-2019

Day to day duties:

- Responding to emails Speaking to charities and students Delegating tasks to committee members
- Corresponding with 200 charities interested in working alongside Manchester RAG to organize a variety of local and international fund-raising events.

### Volunteer with Raleigh International International Citizens Service

2016

- 10 weeks water, sanitation and hygiene based project working to establish a robust water system
- Constructing infrastructure including long-life ecological toilets and latrines, reforestation flood-risk areas and creating communal allotments.
- Gained experience in working across language and cultural barriers, demonstrating flexibility and good communication skills.

## Experience

### Applications Engineer Yelo Test Systems Ltd

2017 - 2018 Carrickfergus, N. Ireland

- Industrial Placement
- Project managed the development of an autonomous, optically driven PCB drill.
- Created programs using LabVIEW, C++ and C.
- Learned about different elements of the business and how to work within multidisciplinary teams.

### Software Engineer Codethink

2019 - 2019 Manchester

- Programming with Python, C, Rust when working on client projects.
- Contributing to open-source projects and the wider GNOME community.
- Completing software upgrades for automotive clients to be applied in their next release of vehicles.

## Awards

### Student Award Arkwright Scholarships

2013-2015 <http://www.arkwright.org.uk/>

### Diamond Jubilee Award IET

2015-2019

<https://conferences.theiet.org/achievement/scholarships/diamond/index.cfm>

## Profile

- Memberships: Student member of the Institute of Engineering and Technology (IET)
- Sport: Actively involved in squash, badminton and bouldering.

## Languages

**English** Native

**Spanish** Advanced

**Urdu** Conversational

**Arabic** Basic