

Kieran Marshall Haden

D.O.B: 14/04/92

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Education

University of Leeds:

BSc Artificial Intelligence (started in 2013)

Year 1 – 1st class - awarded Dean's list for excellence in results

Due to graduate in 2016.

BSc Medicine (2010-2012)

Two years completed at Leeds University before changing courses.

Heckmondwike Grammar School (2003 – 2010):

A levels:

Biology (A)
Mathematics (A)
Chemistry (A)
General Studies (A)
AS Music (A)
AS Psychology (A)

GCSES:

15 GCSE's A*- A

Work Experience

C. Elegans Research Internship (July-Aug 2014)

*University of Leeds,
Leeds,
LS2 9JT*

This project involved the studying and adaptation of the *C. elegans* model (Boyle, Berri and Cohen

(2012) "Gait modulation in *C. elegans*: an integrated neuromechanical model", *Front. Comput. Neurosci.*, doi:10.3389/fncom.2012.00010). The main aim of the project was to study the muscular system in the model and try to adapt it so it would work when reversing the direction of the stretch-receptor-mediated proprioception, so it runs anteriorly instead of posteriorly. On implementation, it was decided that a evolutionary algorithm could help find the optimal parameters for this to work. The preliminary research into this area provided the basis for an application to the Google Summer of Code, to fully investigate and complete a fully working optimisation model.

IT/Helpdesk Assistant (February – April 2013)

NWC-Group

Grimbald Crag Close

Knaresborough

HG5 8PJ

Took part in managing general office enquiries and helped with IT issues that arose when using newly acquired software.

Other work experience:

Up until the recent change from studying medicine to computer science (2013), work experience has been completed in various medical areas:

Volunteer Medical Assistant (summer 2011) Airedale Hospital – Shadowed a consultant orthopaedic surgeon, helped taking patient histories and learnt key practical skills.

Volunteer Caregiver (summer 2010) Pop-ins – Worked with an elderly care company, helping people with everyday living.

Other work experience in hospitals/GPs – LGI, St James' Hospital, Whitehall Surgery

Personal Skills, Competences and Experiences

- Coding experience – Developed programs in C, C#, C++, Java, Javascript, Python, MATLAB. Had some experience with HTML/CSS. Examples of code/projects can be found on <https://github.com/um10kh/khaden-cv-details>.
- Experience in a leadership role by being a joint instructor in a weekly kickboxing class. Have taught students of a variety of ages and experience for over 6 years.
- Organizational, caring and social skills developed from completing two years of a medical degree at Leeds. Have taken part in a variety of work experience, from caring for the elderly to GP/hospital work.
- Kickboxing – have attended two world karate/kickboxing championships, the highest placing 4th (WKC Spain – 2011).
- Music – have achieved a grade 8 standard of playing in both piano and clarinet.
- Other hobbies include playing racket sports and rugby.