

### Career objective

Masters student. Seeking a position, employing mathematical and technical project working knowledge. Able to work on own initiative or as part of a team and enjoy the challenge of working under pressure to achieve the best.

### Education

**2006 – present** University of Manchester

MSc Physics and Computing in Medicine and Biology

This programme includes the following modules: Clinical Physics, Medical Imaging, Nuclear Medicine, Instrumentation, Radiotherapy and Introduction to Human Biology. A project of choice will be carried out during the end of the second semester until September.

**2003 – 2006** University of Manchester

BSc (Dual Hons) Computer Science and Mathematics (2:1)

**Subjects studied:** Object Oriented programming with Java, C, C++, Optical Computing, Quantum Computing, Reasoning, Calculus, Numerical Analysis, Fluid Dynamics, Linear Programming and Financial Mathematics.

1<sup>st</sup> year: I worked with a group of 5 students to create a computer calculator that could perform mathematical operations on polynomials.

2<sup>nd</sup> year: We had to carry out a Software Engineering project where planning and implementing a system of non-trivial size.

3<sup>rd</sup> year: I carried out a small individual project that lasted for 20 weeks and resulted in creating a simulation model for an air traffic control.

**1997 – 2003** Wilmslow High School

**A Level grades:** Mathematics (A), Further Mathematics (B), Physics (B)

Information Technology and Communication Technology A (AS-Level)

**GCSE grades:** Science: Double Award (A\*A\*), Mathematics (A\*), French (A\*), German (A\*), Geography (A), Information Technology (B), English (B), English Literature (B)

### Work experience

**2006** Innovative Technology Ltd - Oldham. Summer Internship (July-September) Mathematical Engineer and Part-time (October – December) Mathematics support role

- Commenced on a project set by my manager to solve an internal request in the company
- Used my knowledge of programming in MATLAB to carry out the project
- Gave a presentation about the project in front of the development team and directors
- Maintained a good rapport with my manager and colleagues
- Worked under deadlines set by my manager and myself
- Used and improved my technical and mathematical skills in a thriving company

**2004 - 2005** Somerfield - Alderley Edge. Part-time Sales Assistant

- Maintained good humour, tact and patience with the public
- Improved my communication and time management skills
- Worked under pressure

**2002** Trio Development Ltd - Mauritius (Road surfacing company). Training accounts clerk

Work experience (2 weeks).

Duties and Responsibilities:

- Filed receipts into corresponding folders
- Communicated with staff
- Checked the total cost of material required
- Gained an understanding of the company
- Entered employees wages and other data into a database
- Calculated the gross net of the lorries at weighing stations

**2000** Social Services – Cheshire County Council Wilmslow. Office worker

Work experience (one week).

Skills developed:

- Communicating with staff
- Communicating using the telephone
- Operating reprographic equipment
- Using a file system
- Data processing

I accompanied two colleagues to homes for the elderly and children with criminal records, such as committing robbery or crime. We had to inspect whether they needed any furniture.

Interests and hobbies

- Taking part twice in Mathematical Challenge for which I gained a bronze certificate
- Classical Indian dance classes (Bharatnatyam)
- Commitment to daily jogging and frequent badminton playing
- Was given the opportunity to visit two Investment Banks with Technology Chances, Women in the City programme
- Solving mathematical mindbenders in the daily newspaper
- Attending Sitar classes

Responsibilities

- Taking part in a reading scheme whereby I helped younger children with reading difficulties
- I have volunteered on the Academic Mentoring Scheme where I mentor first year students on academic and social issues
- Was given the responsibility to train a new staff on the check-out at Somerfields

Computer Skills

- Java, C, C++, Unix and Linux-Red Hat 6 and Fedora Core 2
- Confident user of MS Word, Excel and Access and PowerPoint
- Used MATLAB, a mathematics program do to three assignments
- Together J and ZTC Tool – this was used in Software Engineering module whereby we used the tool to perform Use Case and Activity Diagram analysis for problems of limited size
- TARSKI's used to create universes and reason about them in first-order logic

Other skills

- Participating in a mathematical problem based learning module gave me the opportunity to improve my problem solving skills as well as communication skills. I carried out three projects in a group of 7 students
- Fluent in French and Creole
- Well versed in Hindi
- German - basic knowledge (GCSE)
- Full and clean driving license

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