JOSEPH P MACMANUS

PROFILE

An academically-strong 2nd year student in Mathematics & Computer Science at Bristol University, with proven communication skills and problem-solving ability. Hoping to make a career as a mathematical academic.

EDUCATION

University of Bristol *September 2017 - Present*
Mathematics & Computer Science BSc (Hons)

· Strong academic performance - first year mark: 79.
· Explored the three main schools of programming in depth - Imperative, Functional and Object-Oriented, including some extended projects, both solo and team-based.
· Advanced working knowledge in Linear Alegbra and Algorithm Theory.
· Other topic studied include Real Analysis, Group/Ring Theory and Formal Semantics.

Ysgol Abercowny 6th Form *September 2015 - June 2017*
3 A-Levels

· Further Mathematics (CBAC) (A*)
· Mathematics (CBAC) (A*)
· Physics (CBAC) (A*)

Coleg Llandrillo (via Conwy LINC) *September 2015 - May 2017*
BTEC Level 3 - Computing, Software & Programming (Dist*)

· Project work in web development, scripting in `C#` and also some work in Visual Basic.

Ysgol Aberconwy *September 2010 - June 2015*
16 GCSEs or GCSE equivalents

· GCSEs include Mathematics (A*), and English Language (A).

TECHNICAL SKILLS

Programming

· Proficient programmer in `C`, `Java`, and `Haskell`.
· Extensively studied algorithm theory and programming paradigms over the last two years.
· Small portfolio available at `github.com/jpmacmanus`.

Graphic Design

· Strong ability to use software such as *Photoshop* and *Illustrator*.
· Experienced in working with `HTML` and `CSS`, as well as LaTeX.
· Won *Best Team Identity* at *F1 for Schools* with my work.

EMPLOYMENT HISTORY

Metatutor   *October 2018 - Present*
GCSE and A-Level Maths Tutor

· Developed presentation skills, keeping lessons interactive, engaging, and informative.
· Organised approach to lesson planning.
· Good time-management to ensure lessons never overrun and relevent topics are all covered.

Tesco   *July 2016 - Present (Intermittently)*
Sales Assistant

· Proven ability to work under pressure during the busiest times of the year.
· Strong communication skills developed when dealing with customers.

OTHER ACHIEVEMENTS

Bristol PLUS Award   *March 2019*

· Opportunity to reflect on ones own employability and work skills.
· Requirements include over 50 hours of work experience, 4 employability workshops and an intensive skills activity.

Project Euler   *Ongoing*

· An online collection of problems involving a blend of mathematical and programming skill.
· Currently up to 30 solves - and counting.
· Constantly improving my own mathematical and computational problem-solving skills.

Goldney Jazz Band   *2017-2018*
Pianist

· Working as a team to ensure a strong performance.
· Dedication to practice and understanding delayed gratification when learning new music.

LOST - Bristol RAG   *November 2017*
Contender

· Dropped 125 miles from home with no money, me and a partner had to find own way home.
· Large amounts of teamwork, planning and on-the-spot thinking involved.
· Raised over £360 for charity.

ABRSM Music Theory (Grade 5)   *2016*

· Extra-curricular self-study.

REFERENCES

Dr Christian Konrad   *christian.konrad@bristol.ac.uk*
Personal Tutor

· Room 3.06, Merchant Venturers Building, University of Bristol, Woodland Road, Bristol, BS8 1UB

Sam Trapp   *sam@metatutor.co.uk*
Head of Metatutor

· 165 Filton Avenue, Horefield, Bristol, BS7 0AU