

# Matthew Goulding

<https://www.linkedin.com/in/matt-goulding-7511b2195/>

Email : matthewjgoulding@gmail.com

Mobile : +44 7577195655

## PROFILE

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A focused and motivated Computer Science graduate from the University of Birmingham, I am passionate about problem solving in software engineering with a strong understanding of programming concepts and the ability to learn languages and technologies. With a solid educational background and a strong interest in these fields, I am excited about applying my skills to contribute effectively to the success of any organisation I work for.

## EDUCATION

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- **BSc Computer Science**

*University of Birmingham*

*Sep. 2021 – Jun. 2024*

I graduated with a 2.1 after a very strong final year of University, including receiving a First for my dissertation. Many modules throughout my time at university have developed me into having a deeper understanding of software engineering, with some of those being:

- Intelligent Robotics
- Object Oriented Programming
- Full Stack Application Development
- Software Engineering and Professional Practise
- Security and Networks
- Mobile and Ubiquitous Computing
- Intelligent Interactive Systems
- Team Project

During my tenure at University, I actively participated in numerous group assignments, fostering my proficiency in collaborative teamwork by honing essential skills such as communication, problem-solving, and mediation.

Above all, I have enjoyed and benefited from developing an application for my final year project. I learnt a lot about project management and completed significant self-learning to help problem solving with implementation.

- **A Levels**

*Peter Symonds College*

*Sep. 2018 – July. 2020*

Computer Science (B), Mathematics (A), Economics (A)

A Level Computer Science advanced my understanding of the subject from GCSE, and continued my interest in the subject which progressed into my decision to study at University. We used Pascal mainly which, although rarely used, introduced me into Object Oriented Programming and I enjoyed utilising this knowledge to create a Football Manager game for my final project. I also took part in a Java programming course that was put on by IBM during my time at college, which increased my knowledge in some more advanced programming concepts.

## PROJECTS

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- **Final Year Project**

*Sep. 2023 - Apr. 2024*

I utilised React, Node.js, and Express.js to create a guitar learning web application that connects a user's Spotify account, enabling them to retrieve guitar tabs corresponding to the song currently playing. I learnt how to use interact with Spotify using their API, and retrieved tabs by scraping from Ultimate Guitar, which involved HTML manipulation.

## EMPLOYMENT

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- **Online Shopper** Badger Farm, Winchester  
*Sainsbury's* *Aug. 2023 - Sep. 2023*  
My primary responsibility was to fulfil customer orders placed online by physically selecting and gathering the requested items within the specified timeframe. This helped with my time management, and working with others benefited my ability to work in a team.
- **Media Intern** Winchester  
*Hope Church Winchester* *Sep. 2020 - July. 2021*  
I worked within a small team to produce engaging media content for our church, during a time of inability to gather physically. In this role, I utilised a variety of adobe products, such as Premier Pro and Illustrator to create video and graphics content, which we then uploaded to Instagram or YouTube. Along side this I completed two Theology training courses during my time at Hope Church, called Theology for Life and R.E.A.D. Although this experience is not directly linked to my interests now, I gained exposure to working in a team and continued practice in learning and self study.
- **Software Engineering Work Experience** Hursley, Winchester  
*IBM* *July. 2017*  
I spent a week at the IBM offices in Hursley where I took part in a range of activities, including coding using python, my introduction into web development, machine learning, virtual reality and other technologies. I also gained experience with being integrated in professional working environment and benefited from seeing how a large company operates.

## TECHNICAL SKILLS

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- **Programming:** Java, Javascript, Python, React, Node.js, C++, C#, SQL
- **Frameworks:** Express.js, Angular
- **DBMS:** Postgres
- **IDEs:** IDLE, Visual Studio Code, IntelliJ, Eclipse
- **OSs:** Windows, Linux
- **Authoring:** Latex, Microsoft Office

## HOBBIES

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In my spare time, I enjoy playing and watching football and I'm looking forward to Southampton being back in the Premier League next season. I also have recently got into running and set my 5k this year at the Cannon hill park run with 19:04.

## REFERENCES

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- Final Year Project Supervisor: **Carl Wilding** c.wilding@bham.ac.uk
- Church Leader at Hope Church: **Phil Cranston** phil.cranston@hopewinchester.org, +44 7920 193041