

Eamonn Trim

A resolute Electrical and Electronic Engineering graduate looking to gain experience in digital hardware and gain design and verification skills. Graduate from the University of Southampton with First-Class honours and looking to further develop, grow and form connections in the field.

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🌐 <https://mmrree.co.uk>

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🐙 github.com/MMRREE

SKILLS

- Embedded Devices
- Project Management
- Programming (C/C++, JS, Java, SystemVerilog)
- Communication
- Teamwork
- Control Engineering

EDUCATION

MEng Electrical and Electronic Engineering

09/2017 – 06/2021, First-Class Distinction

University of Southampton

Year 1

Semester 1

- Digital Systems and Microprocessors (85%)
- Programming (77%)
- Electronic Circuits (65%)
- Maths for EEE (I) (65%)

Semester 2

- Advanced Programming (73%)
- Electrical Material and Fields (66%)
- Electronics Systems (63%)
- Solid State Devices (57%)

Year 2

Semester 1

- Electrical and Electronic Engineering Design (78%)
- Control and Communication (73%)
- Maths for EEE (II) (62%)
- Electromagnetism for EEE (51%)

Semester 2

- Digital Systems and Signal Processing (80%)
- Photonics I (75%)
- Power Circuits and Transmission (69%)
- Power Electronics and Drives (54%)

Year 3

- Individual Project (72%)

Semester 1

- Foundations in Machine Learning (71%)
- Control Design Systems (68%)
- Engineering Management and Law (60%)

Semester 2

- Advanced Computer Engineering (88.5%)
- Computer Architecture (88.5%)

Year 4

Semester 1

- Group Design Project (82%)
- Secure Hardware and Embedded Devices (77%)

Semester 2

- Applied Control Systems (75%)
- Embedded Processors (75%)
- Cryptography (65%)
- Computational Finance (64%)

International Baccalaureate Diploma

09/2015 – 05/2017, 38 points (3 bonus)

Haut-Lac International Bilingual School, Switzerland

Higher Levels

- Physics (6/7)
- Chemistry (6/7)
- Math (5/7)

Standard Levels

- Economics (6/7)
- French (6/7)
- English (6/7)

CERTIFICATES & ACHIEVEMENTS

- Football Captain for ECSS FC (B Team) (2017 – 2021)
- House Vice Captain at Haut Lac (2017)
- House Ambassador at Haut Lac (2016)
- Project Lead on 4th year Group Project (2020)
- Haut Lac Model United Nations Chair (2016)
- Duke of Edinburgh – Gold (09/2015 – 05/2017)

Work experience on second page

PERSONAL PROJECTS

Personal Website - <https://mmrree.co.uk>

03/2020 – Present

- Written in HTML, JS, CSS and hosted on AWS, the website holds all my academic, and non-academic achievements
- Learnt about web technologies, especially AWS
- Generate a landing page for myself on the internet to be used for discovery

Discord Bot

03/2020 – 08/2020

- Written in purely JS using a library for interfacing
- Developed as a passion project for myself and a group of friends
- Includes feature testing on each update, verification, and version control

WORK EXPERIENCE

Project Manager for UKESF: Electronics Everywhere Application

09/2020 – 01/2021

University of Southampton – Fourth Year Group Project

Contact: Geoff Merrett – gvm@ecs.soton.ac.uk

Leading a team of students to design, implement, and evaluate an application for deployment to 500 secondary schools across the United Kingdom

Achievements/Tasks

- Designed and implemented a fully working application ready for launch within 4 months to specification
- Communicated with the client, building, and maintaining a relationship and managed expectations
- Handed the project over to the UKESF, who aim to deploy the application in 500 schools across the UK

Lead Developer for XB-Visualise and XB Framework

07/2020 – 09/2020

University of Southampton – Third Year Individual Project / Intern

Contact: m.c. schraefel – mc@ecs.soton.ac.uk

Collaborating with a team to develop an application on Android and a website to work in tandem with health research

Achievements/Tasks

- Leading development on both web and Android for the research tools to be used
- Delegating tasks to colleagues to support completing technical requirements within the time allocated
- Providing support for handover process for new interns once I left the position

Product Life-cycle Management Assistant

Summers of 2017 – 2019

Nestlé Nespresso – Contract Manufacturing

Contact: Manuela Bendo – Manuela.Bendo@nespresso.com

Collaborating with a team to develop a new interdepartmental tool to track the relevant details of product life cycles

Achievements/Tasks

- Assessing the newly implemented reporting system to ensure it operated correctly
- Designing new parts of the system that had yet to be implemented
- Producing training documentation for new users

INTERESTS & ACTIVITIES

Enjoy playing football, captaining an intermural team at university for three years, steadily improving the quality of the squad and the results. Also, avid esports player, reaching a level in rocket league of the top 30 thousand players worldwide.

LANGUAGES

- English: Mother tongue written / speaking
- French: Intermediate written / speaking
- Spanish: Basic written / speaking