# Justin Case

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*Home Address:* 20 Good Street, Sometown, Co. Cork.

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## Education

2019 – to date Maynooth University, Maynooth, Co.Kildare.

**B.Sc. (Honours) Electronic Engineering**

*First Class Honours*

Fourth Year: Optical Electronics & Communications

Third Year: Electronic Engineering – Industrial Work Experience

Second Year: Electronic Engineering – Analogue & Digital Circuit Design

First Year: Electronic Engineering – Fundamentals, Computing & Design

#### Relevant Skills

**Laboratory**

Hardware

* Analogue & Digital Printed Circuit Board (PCB) design
* Integrated Circuit (IC) design & simulation
* Data acquisition hardware design
* Computer Architecture & Digital Logic

Software

* Algorithm design & simulation in Matlab
* System programming in C, C++ and JAVA
* Web application development in HTML and JAVA
* Object-oriented software development

Projects

* Analogue to Digital Converter design using SPICE
* Embedded Digital Signal Processing (DSP) Implementation
* IC prototype development using Xilinx FPGA
* Fibre Optic high-speed communications link design & implementation

**Computer**

Computer Applications

* Microsoft Office suite (WORD, EXCEL, POWERPOINT)
* Matlab
* Computer Aided Design (CAD)

Computer Programming

* C, C++, Java, Computational modelling of physical systems
* Object-oriented programming

Web

* Good understanding of Web, Website design using Microsoft Publisher

**Instructional**

* Private tuition to Leaving Cert. Students,
* Lab Demonstrations to second level students during Maynooth University

Open days (November 2021, April 2022)

#### Other Qualifications

* Completed conversational German course
* Full Driving License
* Completed First Aid course (2021)

##### Relevant Experience

2021 – 2022 Three Mobile Ireland Ltd., 28/29 Sir John Rogerson's Quay, Dublin 2.

**Software Technician**

* + - * Involved in designing and building interfaces to core network elements
      * Worked with the business team to identify solutions that satisfy a business need
      * Enhanced and tuned existing IT systems to ensure 24/7 availability

##### Part-Time Employment

2020 to date Saints Bar, Glenroyal Hotel, Maynooth, Co. Kildare

(Weekends) **Barman**

* Serve customers in a friendly and efficient manner
* Deal with difficult customers politely but firmly
* Responsible for cashing-up and assist in stock control
* Train in and supervise new staff
* Observe workplace hygiene, occupational health and safety, and security procedures

**Interests and Achievements**

***University:* 4th Year Engineering Class Representative (2022-to date)**

* Attended Union Council and discussed any issues of concern to the class
* Reported on Union Council to the class
* Acted upon class queries as requested and liaised with relevant personnel

# Member – Maynooth University Engineering Society (2020 to date)

* Attended Society meetings and events
* Volunteered to operate Society Stand on MU Clubs & Societies Day

# PRO, Engineering Society, Maynooth University (2021-2022)

* Designed and distributed advertising for society events
* Increased awareness of the society on campus
* Compiled and edited Society eNewsletter
* Operated Society Stand on MU Clubs & Societies Fairs Day

###### Sports: Player Member/ PR Assistant, Sometown GAA Club (2019 to date)

* Represent club competitively at county level and national level
* Instruct junior members and coach juvenile player camps
* Promote club activities on Club Social Media accounts

***Awards:***

**President’s Award – Silver (2021)**

* Presented with this award for personal achievement in the areas of physical recreation, community involvement, personal skill and adventure project

##### Referees

Dr Ellen O’Flynn Ms Joan Smyth,

**Lecturer IT Department,**

Department of **Electronic Engineering** Three Ireland Limited.

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Maynooth Dublin 2.

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