

Tiarnach Ó Riada

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EXPERIENCE	EOFIS eofis.ie <i>May 2021-Present</i> <i>CTO, Co-Founder</i> <ul style="list-style-type: none">Responsible for technical aspects of company's success.Development of VueJS frontend and Python Flask and AWS backend, interfacing with a MongoDB database.As thesis implemented prototype cloud-based automated flashcard generation system from online sources.
	Irish Photonic Integration Centre , Tyndall National Inst. <i>June-August 2020</i> <i>Summer Bursary Student</i> <ul style="list-style-type: none">Designed and implemented photon time of flight simulation software.Collaborated with rest of biophotonics research team.
	Spanish Point Technologies <i>June-August 2017,2018; March-August 2019</i> <i>Developer, QA Intern</i> <ul style="list-style-type: none">Developing applications with C#, JavaScript, NodeJs, Python and SQL.Developing post-deployment tests for React and REST web application.Coordinated testing of several long-running projects.
	EDUCATION University College Dublin, Ireland 2016-2021 <i>BEng Electronic Engineering</i> Final GPA 3.74/4.2, First Class Honours Exchange 2018-2019 <i>École polytechnique fédérale de Lausanne, Switzerland</i>
PROJECTS	◆ bit.ly/SPICEBAGsim a spice-like circuit simulator and gui in Python and FORTRAN. ◆ bit.ly/FYFTEM a Forth interpreter, written in x86_64 assembler. ◆ bit.ly/TheChuckles the Chuckles Operating System. x86 single tasking operating system written in C and developed using GNU tools on Linux. ◆ bit.ly/DomotiqueSimulation a C++ simulation of a home automation system. UBWB A link layer protocol performing reliable transmission over a faulty physical link; detects errors and ensures eventual receipt of data. Designed with a REST-like api and developed in a team of four as a class project in UCD.
SKILLS	Captain of the UCD Judo club for the 2019-2020 year. Current PRO. Experience with small to medium projects in Python, C, C++, Intel x86_64 assembly, VHDL, and MATLAB. Also Forth, C#, R, MS SQL, Javascript, CSS and HTML. Git source control software, GNU development tools. Experience maintaining and developing personal and server Linux systems. Speak French to the CEFR level B2 (Upper Intermediate) and have a working proficiency in Italian.
INTERESTS	Forth and Factor; applications of deep learning; Judo, BJJ; flute, tin whistle and guitar.