

# Tiarnach Ó Riada

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EXPERIENCE	<b>EOFIS</b> <a href="#">eofis.ie</a> <i>May 2021-Present</i> <i>CTO, Co-Founder</i> <ul style="list-style-type: none"><li>Responsible for technical aspects of company's success.</li><li>Development of VueJS frontend and Python Flask and AWS backend, interfacing with a MongoDB database.</li><li>As thesis implemented prototype cloud-based automated flashcard generation system from online sources.</li></ul>
	<b>Irish Photonic Integration Centre , Tyndall National Inst.</b> <i>June-August 2020</i> <i>Summer Bursary Student</i> <ul style="list-style-type: none"><li>Designed and implemented photon time of flight simulation software.</li><li>Collaborated with rest of biophotonics research team.</li></ul>
	<b>Spanish Point Technologies</b> <i>June-August 2017,2018; March-August 2019</i> <i>Developer, QA Intern</i> <ul style="list-style-type: none"><li>Developing applications with C#, JavaScript, NodeJs, Python and SQL.</li><li>Developing post-deployment tests for React and REST web application.</li><li>Coordinated testing of several long-running projects.</li></ul>
	<b>EDUCATION</b> <b>University College Dublin, Ireland</b> <i>2016-2021</i> <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	<ul style="list-style-type: none"><li>◆ <a href="#">bit.ly/SPICEBAGsim</a> a spice-like circuit simulator and gui in Python and FORTRAN.</li><li>◆ <a href="#">bit.ly/FYFTEM</a> a Forth interpreter, written in x86_64 assembler.</li><li>◆ <a href="#">bit.ly/TheChuckles</a> the Chuckles Operating System. x86 single tasking operating system written in C and developed using GNU tools on Linux.</li><li>◆ <a href="#">bit.ly/DomotiqueSimulation</a> a C++ simulation of a home automation system.</li></ul> <b>UBWB</b> 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.