William Myles Donnelly

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Portfolio: https://www.willd.dev/

Personal profile:
I'm an engineer, studying engineering with management at Trinity College Dublin. I have extensive hobbies in 3D printing, computer programming, and electrical engineering. I spend most of my spare time making stuff. Currently a Founder working at Induct, a tech start-up focused on access management.

Skills:
Programming:
C#, C++, JavaScript, TypeScript, React, NextJS, TailwindCSS, Node.js, VS code, Visual Studio, Arduino IDE, Cursor

CAD/CAM:
Fusion360, KiCad, EasyEDA, Chitubox, Cura, K40 Whisperer

Manufacturing/Tools:
FDM 3D printing, MSLA 3D printing, PCB design, Hot air reflow soldering, soldering, oscilloscope usage

UI/UX Design:
Figma, Inkscape, PaintToolSAI, Aseprite

3D Modeling/Animation:
Blender, Meshmixer

Experience:
Organised and ran the first ever Patch Robot Wars competition
a competition which brought Patch allumni of all years back together to make and battle custom fighting robots

Participant in Patch 2023
the origin of where Induct was founded

2 months work experience at Calypso AI
a start-up US military contractor where I worked on competitor analysis

1 month work experience at Ericsson Ireland
learnt about their Agile dev-ops strategies, and about VOIP infrastructure

3 months work in [Columbus clubs](#) summer camp
teaching computer programming to children (Scratch then later Python)

Made a [custom website](#) for my school (Blackrock College)
the global citizenship community website which is responsible for various eco-friendly projects in the school

Won runners-up at [Sci-Fest Ireland](#)
for a project analysing propeller efficiency in a vacuum

Won mock Dragons-den at Blackrock College for Sizzle
an app which recommends local groceries for new recipes to try

[ASI Level-1](#) certified SUP instructor
I occasionally participate in charity events or work in summer camps throughout the year

Education:
2022-Present – Engineering with Management, Trinity College Dublin
2022-2023 – The Dublin Academy of Education
2017-2022 – Blackrock College, Secondary Education
2009 – 2017 – Willow Park, Primary Education
2017-2020 – Walton Club programme, Trinity College Dublin
2016-2020 – Academy of Code, Oatlands College