

Guy Solan | Design Engineer

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Overview

I am a 3rd year student at the Dyson School of Design Engineering at Imperial College London and founder of Thetis Medical Ltd. I develop concepts and make them real using a combination of visual, programming, engineering, and prototyping skills.

Education

Imperial College London (2019-2023)

Design Engineering | Dean's List Top 10% of Class (avg. 77%).

Key Modules include Industrial Design, Gizmo, Robotics, Mechanics, Computing.

Royal Grammar School Guildford (2011-2017)

A-levels

- 3 A*s (Maths, Physics, Product Design).

GCSEs

- 10 A*s (inc. Chemistry, Biology, Geography, English).

Employment

Designer and Entrepreneur | Thetis Medical Ltd

Achilles Rupture Splints - I founded this company in June 2020 and will bring two products to market in November 2021. Alongside iterative prototyping, user testing and product design my work included FEA, web development and upholding medical standards.

Pain Diary - A full stack Node JS backend web app to replace an NHS paper form. It uses a MySQL database and REDIS to record patient pain scores and send email/SMS reminders.

Waiting and Bartending | White Horse Hascombe.

Sailing instructor | Seaview Yacht Club

Accomplishments

Dean's List - Top 10% of Cohort (2021)

EDT Headstart - Winner of Disaster Response Challenge (2015)

SATRO Problem Solving Challenge (2015)

Drums - Grade 8 Merit (2014)

Skills

Visual | Keyshot 10, Adobe CC (Illustrator, InDesign, XD, Photoshop, Lightroom), Figma

Engineering | Solidworks, Fusion 360, onShape, CFD, FEA

Prototyping | 3D Printing, Arduino, ESP, Fabrication

Programming | Python, C++, Matlab, Javascript, Node JS, SQL, HTML, CSS

Hobbies

Skiing, Sailing, Rugby, Drums

