

RUTA CZAPLINSKA

Product Design Freelancer x Innovation Design Engineering
Student, Royal College of Art & Imperial College London

WORK EXPERIENCE

Freelance Product Design Engineer November 2022 - Present
ONONA Ltd. | London, UK

Carry out disassembly analysis of competitor products, Generate concept designs, Liaise with suppliers.

Product Design Engineer October 2021 - July 2022
INDO Lighting Ltd. | Southampton, UK

Generated concept designs; Designed and built experimental rigs for verification and validation of developed designs; Created prototypes in the lab to demonstrate product features and performance; Wrote Design Specification for developed products; Collaborated with Operations, Sales and Marketing to ensure products are developed to meet all stakeholder's expectations including assembly complexity, performance specification, time to market and cost; Influenced the New Product Introduction process through introduction of design criteria and requirements specification as well as establishing appropriate test methods.

Product Assistant June 2021 - October 2021
INDO Lighting Ltd. | Southampton, UK

Liaised with external agencies supporting the development of electronics and mechanical systems; Created BOMs for existing products and designs in development; Researched new technologies and component upgrades for continuous improvement of product portfolio; Performed end of line quality inspections.

Design Engineer Intern June 2020 - August 2020
Aergo Health Ltd. | London, UK

Defined User Requirements and Technical Design Specification, as well as designed packaging for the flagship product; Developed multiple prototypes; Researched User behaviour for product development; Created mood boards and journey maps; Created CAD models of the designs; Liaised with manufacturers to obtain quotes and discuss manufacturing capabilities; Communicated the design deck to the engineering and marketing team as well as external experts in the packaging field.

Engineering Intern July 2019 - August 2019
Ricardo | Leamington Spa, UK

Led a technical benchmarking study of gearbox cases influencing new product development; Developed a database of materials based using Excel VBA; Presented results with discussions to the Driveline and Transmission Engineering department.

Scholar at Digital Creativity Labs July 2018 - September 2018
University of York | York, UK

Designed and developed a card game delivering biology content from an undergraduate level module through gamification; Planned manufacturing and promotion of the game (including introductory videos and events).

Design Intern
Optosoft | Wroclaw, Poland September 2015

Designed 3D Printed storage systems for electronic components (such as CPUs); Created CAD models of the designs.

ACADEMIC EXPERIENCE

Sponsored Masters Design Thesis October 2020 - May 2021
Griffon Hoverwork | University of Southampton | Southampton, UK

Designed a digital product for Griffon Hoverwork to evaluate feasibility of battery powered hovercrafts for different use cases. Evaluated the design with user experience testing.

Digital Marketing Academy September 2020
Creative Data Academy | UK

Attended Creative Data Academy; Member of a winning team which created a strategy in response to ScotRail's brief (awarded by ScotRail's jury).

+44 (0) 739298 7667 📞

ruta.czaplinska@gmail.com ✉

linkedin.com/in/ruta-czaplinska 🌐

EDUCATION

Advanced Design 2022 Offsite
Spring Cohort 2 (Sketching,
Business & Design,
Design Discourse, CMF)

University of Southampton 2021
MEng Mechanical Engineering
(Biomedical)

SKILLS

Professional
Communication

Team work

Time management

Leadership

Design

Prototyping

User Research

Journey mapping

Sketching

User-centred design

Design Engineering

UX research

Gamification

Software

Solidworks

Rhino 3D

Fusion 360

Affinity Designer

Affinity Publisher

Keyshot

Programming &
Hardware

3D printing

LaTex

Arduino (C)

Python

MATLAB

