

Levin Wilkinson

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An experienced software engineer specialising in simulation, eager for challenges and new experiences. A highly motivated and inquisitive data analyst, with an eye for detail and a logical approach to projects.

EDUCATION

University of Edinburgh

MPhys in Physics
First Class Honours

Holy Cross College

A-Level (2015 - 2017)
Physics (A*), Mathematics (A),
Chemistry (A)

The Elton High School

GCSE (2013 - 2015)
9 A* (including Triple Science,
Maths & Computing) and 3 A
Dux 2015

COURSEWORK

Data collection and analysis
Simulating complex physical systems
Gender inequalities in STEM

SKILLS

Languages:

English (Native), Spanish (A2),
Swedish (A2)

Creative tools:

Adobe Photoshop, Illustrator,
Premiere Pro and Lightroom

Technology skills:

Microsoft Office and Teams,
Google Drive, transcription,
web design and social
media management

ROLES

Edinburgh University Physics and Astronomy Society

President (2021-2022)
Academic Secretary (2020-2021)
Vice President (2019-2020)

WORK EXPERIENCE

Public Health Scotland

Information Analyst

Jul 2022 – present

Glasgow, UK

- Using R to explore large volumes of NHS data, producing visualisations and insights
- Contributing to the software development of a discrete event simulation of the healthcare system across Scotland

EDINA

Coding and Marketing Intern

Jun 2021 – Aug 2021

Edinburgh, UK

- Front-end web development to redesign professional website for [Noteable](#), updating layout and copy
- Developing and delivering a marketing strategy for a new commercial product, and creating content for social media

University of Edinburgh

Physics Student Ambassador

Nov 2018 – Jul 2022

Edinburgh, UK

- Welcoming prospective students to the School of Physics and Astronomy, and leading departmental tours
- Giving online presentations and hosting web chat sessions

CODING EXPERIENCE

Python (1100+ hours of experience since 2014)

- Extensive use of [NumPy](#), [SciPy](#), and [Matplotlib](#) for data acquisition, data processing, modelling and visualisation
- Project work includes simulations of disease propagation, diffusion reactions, inter-planetary systems and more
- Experience in processing large data files for numerical analysis, graphing and trend fitting

R (200+ hours of experience since 2022)

- Daily use of [simmer](#) package to develop large-scale discrete event simulations, utilizing the [tidyverse](#) style guide
- Wrangling and visualising large volumes of data to produce statistical outputs with [ggplot2](#)

HTML and JavaScript (150+ hours of experience since 2012)

- Creating basic web pages using HTML, CSS, and JavaScript
- Improving web design for professional websites, with a focus on accessibility and usability