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 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* and 3 A
Dux, Class of 2015

SKILLS

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

Office software:
Microsoft 365 Suite including
SharePoint and Teams,
Google Drive Suite including
Docs, Sheets and Slides

Experience:
Producing National Statistics,
professional copywriting,
dashboard and web design

Coding:
Languages:
R (+ tidyverse):   ☆☆☆☆★
Python: ☆☆☆☆☆
HTML & CSS: ☆☆☆★★
R Shiny: ☆☆★★★

LEADERSHIP

Edinburgh University Physics
and Astronomy Society
President (2021-2022)
Academic Secretary (2020-2021)
Vice President (2019-2020)

WORK EXPERIENCE

Public Health Scotland   Glasgow, UK
Information Analyst - Drugs Team   Sep 2023 - present
- Using R to explore large volumes of NHS data, producing visualisations and insights
- Performing data cleaning and analysis to create national-level Official Statistics publications

Software Developer - Whole Systems Modelling   Jul 2022 - Sep 2023
- Developing a discrete event simulation of the NHS healthcare system in Scotland with R's simmer package
- Building simulation of hospital outpatient systems and patient pathways informed by NHS records

EDINA   Edinburgh, UK
Coding and Marketing Intern   Jun 2021 – Aug 2021
- 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   Edinburgh, UK
Physics Student Ambassador   Nov 2018 – Jul 2022
- 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 (since 2014)
- Extensive use of NumPy, SciPy, and Matplotlib for data acquisition, data processing, modelling and visualisation
- Use of pandas for processing large data files for numerical analysis, graphing and trend fitting
- Project work includes simulations of disease propagation, diffusion reactions, inter-planetary systems and more

R (since 2021)
- 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