LUKE KERSHAW, PhD

in l-kershaw ◯ l-kershaw ⦿ London, UK

SUMMARY

A backend software developer with experience writing reliable, scalable code. Demonstrable ability in data-focussed problem solving across research and industry. Seeking a role to use my experience developing and maintaining software.

Business experience in:
`C# / Python / SQL / Typescript`

Also familiar with:
`F# / Lua / LaTeX / Go`

WORK HISTORY

Sep 2023 – Present **Software Developer**   **Acturis Ltd, London, UK**
- Build and support webservices for the automated handling of insurance products and client relationships at scale.
- Consistently exceeded expectations during performance reviews; first backend developer to achieve a maximum score in their first year.
- Led development of internal mutation testing tools for evaluating unit test effectiveness; resulting in doubled testing scores in key areas.
- Regularly share best practices for writing testable code across the team.
- Introduce standard process for code reviews, ensuring team objectives are considered with each set of changes and halving wait time for reviews.
- Enhance release processes for better visibility of development work to other teams.   `C# / SQL / Typescript`

Jul–Aug 2018, Jul–Aug 2019 **Data Engineer**   **AIMES Ltd, Liverpool, UK**
- Implement an automatic system for data collection and processing to aid in NHS funding applications.   `Python / SQL`

EDUCATION

2019–23 **Doctor of Philosophy (PhD), *Mathematics***   **University of Bristol, UK**
Research Focus: Representation Theory of Finite-Dimensional Algebras

2015–19 **Master of Mathematics (MMath), *Mathematics***   **University of Warwick, UK**
First Class   *Final Mark:* 83%   *Research Project:* Tropical Geometry

OPEN SOURCE WORK

telescope.nvim *(extensible fuzzy finder in Neovim)*   ◯ **nvim-telescope/telescope.nvim**
Telescope is the de facto standard search tool for use within the Neovim text editor.
- Enhance extendability of internal tools, while minimising technical debt. This led to an ecosystem of dozens of tools built upon the framework of telescope.
- Standardise user configuration options, improving understandability and expanding the ability of users to personalise the tool to fit their preferences.   `Lua`