# Edward Atkin, Data Engineer

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Data Engineer with a passion for digital development and problem-solving through code. Proficient in web development, data science, and game development.

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## Professional Experience

### Data Ops Engineer, Blueskeye AI

January 2024-present

- Developed and maintained a web-based annotation platform for data labelling
- Migrated from Firestore to a scalable PostgreSQL Cloud SQL database, solving critical performance issues
- Collaborated with the R&D team to develop new annotation tools
- Handled the entire database overhaul project independently, showcasing exceptional problem-solving and Python expertise

### Teaching Assistant, Le Wagon

January 2024-present

- Provided support to students during Le Wagon's introductory Python week, helping them take their first steps into programming
- Provided one-on-one support for student learning and development

### Head Brewer, Matlock Brewing Company Ltd

April 2015-January 2024

- Oversaw all aspects of brewing production, from recipe development to production
- Developed 3 award-winning recipes, including Reverence, an extra special bitter brewer with heritage barley Chevallier
- Managed market stalls and events, acting as a brand ambassador

### Development Team Lead, Date & Game

April 2021-May 2023

- Designed and developed games for a small startup company
- Created robust, modular systems that formed the foundation for various online multiplayer games
- Collaborated with artists, game designers and app developers to ship 6 games
- Mentored and supported new developers

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## Education

### Data Science, Le Wagon

April 2023-October 2023 | Remote

- Part-time coding bootcamp focussing on Python, SQL, Statistical Analysis, Machine Learning, Deep Learning and MLOps
- Gained practical experience through development of individual and group projects

### BSci Mathematical Physics, University of Nottingham

September 2011-July 2015

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## Technical Skills

### Programming Languages

Python, SQL, HTML5, CSS3, JavaScript, 6502 Assembly

### Data Science and Analytics

Data Collection and Visualisation, Machine Learning, Neural Networks, ETL, Statistical Analysis

### Tools and Technologies

Git/Github, Google Cloud Platform, Linux, Docker, Make, Vim

## Projects

### Microjournal App (WIP)

https://microjournal-cfihq5izoa-nw.a.run.app/

- Designed and deployed a journalling app, providing users with prompts to help guide their journalling experience
- Uses Firebase and Firestore as a datastore and for user authentication
- Express JS serves the front end to users and uses a Flask API to interact with the database

### Horse Racing Predictor

https://horseracing.edwardatkin.co.uk

- Project built from scratch - data collection right through to deployment
- Implemented fully automated data collection and result prediction utilising *Google Cloud Platform* for running containerised services and *Google BigQuery* for database management
- Fully autonomous and profitable service making bets using the Betfair API