

London, United Kingdom  
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# Edward Brodski

## Software Engineer/Project Manager

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[www.edwardbrodski.com](http://www.edwardbrodski.com)

Passionate Software Engineer and Project Manager with 7+ years of programming experience, 2+ years of work experience and a Master's degree in Computer Science.

**Areas of expertise:** Python Scripting, Frontend, Workflow design and Task Management.

### RELEVANT WORK EXPERIENCE

#### Project Manager

Jun 2022 — Sep 2022

NDB

Remote

- Managed the design team, ensuring correct workflows and descriptions ready for implementation.
- Handled administration for the company's community resources as well as creating specialized Discord and Telegram bots for marketing and community management purposes.
- Ensured task completion for the software team, maintained SCRUM boards.
- Evaluated completed work, testing for user interaction, security and performance.

#### Software Engineer

Aug 2020 — Feb 2022

OptimumSoftware

Remote

- Developed the UI for the business facing component of "Subscribr" with React.
- Contributed to the internal GraphQL API systems.
- Worked with designers to refine the quality and presentation of information across all relevant websites.

### PROJECTS

#### Context-Free-Grammar Equivalence Research Project, Python, NumPy, Pandas

Jun 2021 — May 2022

- Produced the first Open Source implementation of a state-of-the-art algorithm for evaluating grammar equivalence.
- Developed testing methods for the evaluation of different approaches presented by other works as well as my own.

#### Personalized Finance Assistant, Python, Pandas, Tk

Aug 2022 — Jul 2023

- Developed infrastructure to ingest and unify different transaction streams into a single database.
- Implemented an integrated labelling and tagging system.
- Designed and produced a GUI application for the classification and analysis of data providing an integrated view of graphics and tables.

#### Intelligent Early Wildfire Detection, Python, Pandas, PyTorch

Sep 2022 — Jun 2023

- Researched Wildfire smoke patterns and developed as system for automatically generating fire patterns for AI training and testing.
- Carried out Data Analysis and validation for the generated datasets.
- Trained a final model which reached an accuracy of 96.72%.

#### Snake Evolution, Python

Mar 2019 — Oct 2020

- Designed a flexible grid based ecosystem with a graphical output.
- Developed a gene system and offspring gene randomization for the snakes.
- Added data analyzation systems such as live graphs and decision visualizations.

### EDUCATION

#### MSci Computer Science — First-Class, Queen Mary University of London

Sep 2019 — Jul 2023

#### Senior School, Millfield, Computer Science — A\*, Further Mathematics — A, Mathematics — A\*, Physics — A

Sep 2017 — Jun 2019

### TECHNICAL SKILLS

#### Programming Languages Technologies

Python, TypeScript, JavaScript, C++, Java  
NodeJS, React, React-Native, HTML, CSS, NumPy, Pandas, PyTorch, REST, GraphQL, AWS

#### Tools

Git, GitHub, Linux, Docker, Fusion 360, Jira, Figma, ClickUp

#### Additional Courses

MHFA(Mental Health First Aid) England

Completed in Jan 2023