

London, United Kingdom
brodskiedward@gmail.com

Edward Brodski

Software Engineer/Project Manager

[linkedin.com/in/edward-brodski](https://www.linkedin.com/in/edward-brodski)
Portfolio: 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.

EXPERIENCE

Project Manager NDB

Jun 2022 — Sep 2022
Worked Remotely

- 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 OptimumSoftware

Aug 2020 — Feb 2022
Worked Remotely

- 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.

3D Modelling and Design, Fusion 360

- I have designed and modelled a magnitude of different hardware projects.
- Worked closely with 3D Printing technology gaining experience in designing for and working with 3D Printers.
- Items such as Keyboards, Desk Fans, Organizers, and light fixtures.
- You can see some of my projects here <https://www.printables.com/@Edward/models>

EDUCATION

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

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	Python, TypeScript, JavaScript, C++, Java
Technologies	NodeJS, React, HTML, CSS, NumPy, Pandas, PyTorch
Tools	Git, GitHub, Docker, Fusion 360, Jira, Figma, ClickUp
Skills	English
Additional Courses	MHFA(Mental Health First Aid) England

Completed in Jan 2023