

Timothy Langer

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EDUCATION

- **Imperial College** London, UK
BEng Computer Science, First-Class Honours (1:1) Oct 2022 – June 2025 (Exp.)
- **St Paul's School** London, UK
*A Level: A*A*A*A*A* in Maths, Further Maths, Russian, Chemistry, Computer Science*
*GCSE: Eleven 9s (A** equivalent), including Art and Computer Science* Sep 2011 – July 2022

AWARDS

- SPS Gluckstein Prize for Computer Science Jun 2021 & May 2022
- Placed 3rd in IC Hack 'Sustainable Future' category Feb 2023
- Imperial ARM11 Group Project Prize June 2023

SKILLS

- **Programming Languages:** Python // Java // Kotlin // PHP // Perl // SQL
- **Software:** Android // Linux // Git // L^AT_EX // Docker // Apache

EXPERIENCE

- **Netcraft** – *Summer Intern (Customer-facing Cybersecurity)* Jul – Sep 2023
Implemented PHP customer file upload API and reworked legacy upload UI. Refactored legacy Perl script to deduplicate takedown requests, adding SQL abstraction layer and robust IP validation. Enriched takedown data to accelerate website removals and strengthen ties with hosters/registrars.
- **Felix (Imperial College newspaper)** – *Senior Webmaster* Feb 2023 – present
Migrated Apache/PHP/MySQL to Docker; minimised downtime with blue-green deployments. Administered ZFS RAID NAS; replaced failing drives. Supported junior webmaster in website redesign. Streamlined CMS article publishing workflow using feedback from editors.
- **Sentiment Investor** – *Summer Intern* Jul – Aug 2021
Rewrote user-facing Python library. Integrated Sentiment's services into the open source investment research environment [OpenBB Terminal](#). Added NodeJS server-side response validation and testing to the REST API. Deployed a Docker swarm of Twitter scraper bots.

PROJECTS

- **Nero** 2021 – 2022
Developed an Android application to track rowing sessions, performing time series analysis on accelerometer data to extract rowing-specific metrics such as stroke rate for instant feedback.
- **Ocquarium** 2017 – 2021
Developed an Android application involving a friendly octopus, that can be customised by the user and set as a screensaver or live wallpaper; it has 40 000+ downloads on the Google Play store.

OTHER

- **Languages:** English (native), Russian (native), French (intermediate), Italian (intermediate)
- **Hobbies:** Competitive rowing (national record-holder), cycling, photography, ballroom dance, gardening, painting

LINKS

- My personal website: <https://zeevox.net/>
- My GitHub profile: <https://github.com/ZeevoX/>
- Netcraft: <https://netcraft.com/>
- Felix: <https://felixonline.co.uk/>
- Sentiment Investor: <https://www.linkedin.com/company/sentimentinvestor/>
- OpenBB Terminal: <https://openbb.co/>
- Ocquarium: <https://github.com/ZeevoX/Ocquarium/>
- Nero: <https://github.com/ZeevoX/nearow/>