Timothy Langer

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I am a student interested in computer science and its business applications looking to secure an internship where I can use my experience to help an innovative company.

EDUCATION

- **Imperial College** — *London, UK*
  MEng Computer Science — *Oct 2022 – July 2026 (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

- Best in school in Advent of Code competition — *Dec 2020*
- SPS Gluckstein Prize for Computer Science — *Jun 2021 & May 2022*

SKILLS

- **Programming Languages:** Python // Java // Kotlin // Bash // HTML+CSS
- **Software:** Android // Linux // Git // LaTeX // Docker // Apache

EXPERIENCE

- **Sentiment Investor** — *Summer 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.

- **Cesanta IoT** — *Oct 2017*
  Worked with the Cesanta team to develop an app for customers to configure Wi-Fi on Bluetooth-enabled Mongoose OS IoT devices using an Android phone instead of the command line.

PROJECTS

- **Personal website** — *2017 – present*
  Host my personal website on an Ubuntu server. Manage and configure Wordpress, Apache, OpenVPN, Docker & RAID. Proxy traffic through Cloudflare and secure with Let's Encrypt.

- **Ocquarium** — *2017 – present*
  Developed an Android smartphone application involving a friendly octopus, that can be customised by the user and set as a screensaver or live wallpaper; it has 30000+ downloads on Google Play.

- **Secure** — *2019 – 2020*
  Created a password manager for Android from scratch, following Android data security best practices. For maximal user trust, the app is as explicit as possible about how passwords are handled and stored. Additionally, developed a secure Google Drive backup feature.

- **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.

OTHER

- **Languages:** English (native), Russian (native), French (intermediate), Italian (intermediate)
- **Hobbies / interests:** Competitive rowing (national record-holder), cycling, photography, gardening, chemistry, painting, digital art using graphics tablet

LINKS

Hyperlinks are highlighted in blue and clickable. In case of printing, the links are typed out below.

- My personal website: https://zeevox.net

- My GitHub profile: https://github.com/ZeevoX

- Sentiment Investor: https://sentimentinvestor.com/

- Ocquarium: https://github.com/ZeevoX/Ocquarium

- Secure: https://github.com/ZeevoX/Secure

- Nero: https://github.com/ZeevoX/nearow

- Advent of Code: https://adventofcode.com/2020/about

- Cesanta IoT: https://mongoose-os.com/