

# 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

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- **St Paul's School** London, UK  
*A Level: Maths, Further Maths, Russian, Chemistry, Computer Science* Sep 2011 – July 2022 (Exp.)  
*GCSE: Eleven 9s, including Art and Computer Science*

## AWARDS

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- St Paul's School Junior Scholar Sep 2018
- UKMT Intermediate Maths Challenge Gold award & Best in School award Mar 2020
- SPS Junior Prizes for Computer Science, Chemistry and French Jun 2020
- Best in school in [Advent of Code](#) competition Dec 2020
- SPS Gluckstein Prize for Computer Science Jun 2021

## SKILLS

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- **Programming Languages:** Python // C# // Java // Bash // HTML+CSS // JavaScript
- **Software:** Android // Linux // Git // L<sup>A</sup>T<sub>E</sub>X // Apache // Photoshop

## EXPERIENCE

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- **Shelly HomeKit** Spring 2021  
Contributed to development of open source software for Shelly smart home devices; worked on web UI, doorbell support and GitHub Actions workflow.
- **Cesanta IoT** Oct 2017  
Over the holidays worked with the Cesanta team to develop an Android app that makes configuring Wi-Fi on Bluetooth-enabled Mongoose OS IoT devices easier than using the command line.

## PROJECTS

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- **Personal website** 2017 – present  
I host my personal website on an Ubuntu server, which involves managing and configuring: Apache, HTTPS certs, DDNS, OpenVPN, internal PHP admin pages, Wordpress, Nextcloud and RAID.
- **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.
- **Thames Tides** 2020  
Scrape several online sources of predicted and observed heights and times of the tidal portion of the River Thames, aggregate data and serve through a JSON API for easy access.

## OTHER

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- **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

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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>
- Ocquarium: <https://github.com/ZeevoX/Ocquarium>
- Secure: <https://github.com/ZeevoX/Secure>
- Thames Tides: <https://github.com/ZeevoX/thamestides>
- Advent of Code: <https://adventofcode.com/2020/about>
- Shelly HomeKit: <https://github.com/mongoose-os-apps/shelly-homekit>
- Cesanta IoT: <https://mongoose-os.com/>