

ALEKSANDR VORONTSOV

vorontsov.co.uk • aleksandr@vorontsov.co.uk

WORK EXPERIENCE

PolyAI

Full-Stack Software Engineer - Platform

Aug 2022 - Aug 2023

London, UK

- Developed user interface (React, TypeScript, Python) tailored towards seamless user interaction, encompassing user generation, user group administration, and API key management.
- Implemented node duplication feature (React, TypeScript, Python) within graphing interface, enabling seamless copy-paste of nodes across user projects resulting in an 83% speed up to create a new set of nodes.

Visa

Graduate Software Engineer

Jun 2020 - Aug 2020, Jun 2021 - Aug 2022

London, UK

- Developed internal tool to enhance development processes (Golang). The tool aimed to increase architecture and analysis by removing manual analysis of complex interfaces and message specifications, decreasing implementation time from 7 days to less than 5 seconds.
- Automated the process allowing for seamless transition from spec to entry point of the Open Visa Net application to define messages for processing.

King's College London - <https://strype.org/>

Software Developer

Feb 2020 - Jul 2020

London, UK

- Designed and implemented initial architecture for a frame-based online editor (Vue.js) for micro:bit devices in collaboration with the Micro:bit Educational Foundation and Professor Michael Kölling.

Perfocal

Full-Stack Developer

Oct 2017 - May 2019

London, UK

- Set up custom static page templating solution (TypeScript, EJS) for use in generating static landing pages with more efficiency, increasing user impressions by roughly 200% within 2 months.
- Developed booking infrastructure and platform (React, NodeJS) used for pop-up photography sessions.
- Implemented an automated email and SMS digest system (TypeScript), improving customer-photographer communication and increasing website engagement rate.

EDUCATION

King's College London

BSc Computer Science, First Class Honours

September 2018 - June 2021

London, UK

- Third Year: 77%; Second Year: 71%; First Year: 73%
- 95% in Software Engineering group project working on a React Native application with a client.
- 84% in final year dissertation discussing the implementation of a compiled programming language named Aver. Source code at <https://github.com/a-vorontsov/aver>.

PROJECTS

Weather - <https://github.com/a-vorontsov/weather>

Command line tool for retrieving the weather forecast for your current location or a given city.

Git Gud - <https://github.com/a-vorontsov/git-gud>

Command line git wrapper which processes the error output of git commands and returns a more user-friendly message.

SKILLS & INTERESTS

Languages & Frameworks - JavaScript, TypeScript, Node.js, React, Java, Go, OCaml, Python, SQL, PostgreSQL

Software & Tools - Git, Unix/Linux, Docker, AWS (S3, CloudFront), Webpack, NPM, Jenkins, CI/CD Pipelines