

# ALEKSANDR VORONTSOV

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## EDUCATION

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### 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

## WORK EXPERIENCE

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### Visa

*Software Engineering Intern*

Jun 2020 - Aug 2020, Jun 2021 - Aug 2021

London, UK

- Developed internal tool to enhance development processes. The tool aimed to increase architecture and analysis by removing manual analysis of complex interfaces and message specifications.
- 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

*Software Developer*

Feb 2020 - Jul 2020

London, UK

- Designed and implemented a frame-based online editor for micro:bit devices in collaboration with the Micro:bit Educational Foundation and Professor Michael Kölling

### King's College London

*Undergraduate Research Fellow*

Jun 2019 - Oct 2019

London, UK

- Developed test harnesses for comparing performance in executing machine learning tasks between data-center servers and Raspberry Pi computers coupled with ML hardware accelerators

### Perfocal

*Junior Developer*

Oct 2017 - May 2019

London, UK

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

## PROJECTS

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### GoLink - <https://github.com/a-vorontsov/golink>

Proximity-based instant messaging mobile application built using Angular, Ionic framework and Cordova. Uses Google Firebase for data storage and communication.

### 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

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**Languages & Frameworks** - Experienced in JavaScript (inc. React), Java; familiar with Go, OCaml, C++, Python, SQL, Scala; exposed to C#, PHP (inc. Laravel), Android SDK

**Software & Tools** - Experienced with Git; familiar with Unix/Linux; exposed to Docker, AWS (S3, CloudFront), Webpack, Microsoft Azure, Google Cloud, Unity, Tensorflow