

ALEKSANDR VORONTSOV

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EDUCATION

King's College London

MSci Computer Science

September 2018 - June 2022

London, UK

- Second Year: 71% (1st class); First Year: 73.4% overall (1st class), 87% programming (Java)
- 95% in Software Engineering group project working on a React Native application with a client.

Whitgift School

Secondary School

September 2010 - July 2017

London, UK

- 2As, 2Bs at A Level in Chemistry, Physics, Computer Science and Mathematics
- 3 A*s, 5As, 3Bs at GCSE; A* in Biology, Chemistry and Mathematics

WORK EXPERIENCE

King's College London

Software Developer

February 2020 - July 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

June 2019 - October 2019

London, UK

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

Perfocal

Junior Developer

October 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

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.

Particle - <https://github.com/a-vorontsov/particle>

2D game built using C# and Unity. Custom physics and movement allows player to accelerate rapidly while in air compared to while grounded.

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

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

Extracurricular - Regular hackathon attendee; badminton player