

## Work Experience

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<b>Full Stack Engineer/DevOps</b>	<b>Solidatus</b>	<b>Fall 2022 – Present</b>
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- Contributed to the development of a world-class data lineage and data management software.
- Worked on both front-end and back-end features for a modern, enterprise-grade web application.
- Improved and maintained the infrastructure supporting the development team, as needed.
- Was responsible for deploying and maintaining a fleet of different cloud services supporting the business.
- Designed, developed, and deployed an automated pipeline for gathering metrics and logs from production environments, used to develop crucial business and pricing strategies.
- Maintained and improved the CI/CD pipeline for the development team, from code commit to deployment.
- Technologies used:
  - Software development: **ASP.NET Core (C#), React (TypeScript), CSS, SASS, Rust, Bash**
  - Cloud infrastructure: **Google Cloud Platform, Kubernetes, Terraform, Docker**
  - CI/CD: **GitHub Actions, JetBrains TeamCity**

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<b>Quantitative Technologist</b>	<b>Qube Research &amp; Technologies</b>	<b>Apr 2021 – Sep 2021</b>
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- 6 month industry placement as part of my master's degree at Imperial College London.
- Developed, implemented, and packaged an automated test harness to aid in **low latency testing**, based on a server-worker architecture.
- Developed a console based application for monitoring cache sage and misses on a per-core and per-process for Intel processors, using official Intel APIs.
- Maintained constant communication with both the trading team as well as the technical team to develop and test new ideas, aiming to increase performance of low latency, high frequency trading strategies.
- Technologies used: **Flask (Python), React (TypeScript), C++, RHEL (RPM packaging)**

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<b>Computer Scientist</b>	<b>Netcraft</b>	<b>Jul 2019 – Oct 2020</b>
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- Experience split over the course of three internships.
- Maintained and extended the company's **anti-phishing** take down solution.
- Helped develop an anti-phishing native Android application.
- Technologies used: **PHP, Perl, Java (Android)**

## Education

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<b>MEng Computing (Artificial Intelligence)</b>	<b>Imperial College London</b>	<b>2018 – 2022</b>
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- Graduated with Upper Second Class Honours.
- Undergraduate courseworks: Pintos (Operating Systems module), WACC (Compilers module)
- Fourth year personal project title: "**Automated Adversary Emulation using Reinforcement Learning**".

## Skills & Technologies

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- Programming languages: **C#, TypeScript, Rust, JavaScript, Kotlin, Java, Python**
  - Web development: **ASP.NET Core, React, HTML, CSS, SASS**
  - Cloud infrastructure: **Google Cloud Platform, Microsoft Azure, Terraform, Kubernetes, Docker**
  - Linux system administration: **RHEL, Ubuntu, shell scripting, RPM/DEB packaging**
  - Database management systems: **MongoDB, PostgreSQL, MySQL**
  - Software development:
    - Able to write high-quality code, using appropriate technologies and tools, libraries, and algorithms.
    - Able to integrate in software development teams and to adapt to the team's workflow.
    - Used to working with common collaboration tools common in software development such as **Git, Kanban boards (YouTrack), and online code review tools**.
  - Languages:
    - **English** (fluent)
    - **Romanian** (native)