

# DANIEL SIMOLS

07340 364913 | [in.lieu.of.leu@gmail.com](mailto:in.lieu.of.leu@gmail.com) | [LinkedIn](#) | [GitHub](#)

## EDUCATION

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### Hills Road Sixth Form College

September 2018 - July 2020

#### A Levels

- Best State Sixth Form in the UK, in Cambridge
- A\*AAA
- Developed Sixth Form's App, Society Leader

### Imperial College London

October 2020 - June 2024

#### Computing MEng (Hons + Associateship)

- Predicted 2:1
- Wrote custom OS kernel
- Exposure to many paradigms (Haskell/Elixir/Prolog/C/Kotlin)
- Expert knowledge of Maths & Computer Science
- **Thesis - WebGPU API Fuzzing**

## PROJECTS

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### Solve Intelligence

2024/07/02 - Current

#### Founding Full-Stack Engineer

- <https://www.solveintelligence.com/>

### BYKE

2023/05/01 - 2023/09/15

#### Intern

- <https://bykeltd.co.uk/>
- Made CTO-level decisions as the only developer in the startup
- Redesigned and built a modern website in just under 2 months, leading to 2x profit immediate-term and making BYKE respected among OxBridge students
- Singlehandedly founded database, back-end, and front-end
- Responsible for GDPR compliance, Stripe payments, SEO, company domains, API access control, database backups, etc

### Discord Fox

2023/08/26 - Current

#### Owner

- <https://discordfox.com/>
- I shot for creating my own commercial product
- Learned to advertise, design aesthetic websites, along with creating creative assets such as the fox logo
- I give the user full-fledged profile customisability, and enable people to find friends that match their interests and personality
- It did not work out, but I have learned from it and want to try again

### Personal Website

2022/08/22 - Current

#### Owner

- <https://danielsimols.net/>
- Devised design to show off my authentic self
- Set up Continuous Delivery for easy updates

## SKILLS

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**Proficient Languages:** Next.js, React, Node, Express, TypeScript, JavaScript, PostgreSQL, BASH, Python, Rust

**Libraries:** Tailwind, SASS, Bootstrap

**Tools:** Linux, Git, AWS, Docker

**Extra:** **Invented a keyboard** (PCB design, 3D printing, firmware)

## EVENTS

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**DataProc Competition:** Won a competition on fast database processing sponsored by Meta

**ICHack23, ICHack24:** Innovated an EdTech web app that utilised our AI to quiz you on ASL by using your camera to detect hand signs