

# Elliot Cross

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## Education

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**École 42, Paris, France**  
(Sept 2019 - Sept 2020)

*Studied* software development, towards certification as a Digital Technologies Architect.

*Completed* 'La Piscine' coding bootcamp in July 2019, finishing 4th out of around 600 candidates.

**University of Bristol, UK**  
Master of Chemistry, MSci  
(2014 - 2018)

*Graduated* with a First Class Honours, with two School of Chemistry Commendations for academic performance.

*Spent* 3<sup>rd</sup> year at the University of Salamanca, Spain.

*Completed* master's dissertation in computational chemistry.

**Emanuel School, London, UK**  
(2006 - 2013)

*A-levels:* Maths (A\*), Chemistry (A\*), Physics (A\*).

## Relevant Experience

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**Backend software development,**  
**Agnostik** (Sept 2020 - present)

*(Node.js)* Design and implementation of a web crawling pipeline for automated data extraction.

*Working* with Google Cloud Platform-hosted Kubernetes cluster (GKE).

*Management* of PostgreSQL and Redis instances, job queueing and scheduling with RabbitMQ and microservice orchestration using Docker.

*Continuous* integration of new features into an existing app, alongside regular performance testing.

**Freelance software development,**  
**Treadlighter Ltd.** (Mar 2020)

*(Python)* Automated multiple technical documentation processes, involving large-scale data extraction and manipulation, and requiring MS Word and PDF file manipulation.

**Freelance software development,**  
**Intsys UK** (Jan - Mar 2019)

*(C++)* Developed a standalone application to interface between two accounting systems, extracting and transforming large amounts of data.

**Workflow automation, university**  
**final year masters project**  
(Sept - Dec 2017)

*(Python)* Created a script to automate the running of computational chemical modelling calculations in order to increase the efficiency of my research project.

*The* script also extracted and processed chemical data from multiple complex output files.

**Solar PV design assistant,**  
**Treadlighter Ltd.** (Jul 2016 -  
Sept 2019, intermittent)

*Drew* up designs for new solar panel systems, as well as handling clients' questions and complaints over the phone.

*Built* and connected rooftop photovoltaics systems.

## Core Skills

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**Technologies**

C, C++, Node.js, Python (basic ML algos, NumPy and Pandas), shell scripting, assembler, MySQL, PostgreSQL, Redis, RabbitMQ, Docker, Kubernetes.

## Other Skills and Interests

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**Languages**

*Fluent* Spanish and conversational French.

**Other interests**

*Surfing*, skiing, climbing, tennis, guitar, juggling.