

Cyprien Roche

Computer Science undergraduate student at **Imperial College London**

I am curious and eager to shape the future of technology and understand its impact on our society to enable people to connect and collaborate. I look forward to discovering unique approaches to problem solving and share my analytical skills with others.

EDUCATION

2018 – 2022	Imperial College	London, UK
MEng Computing Overall – 71.8%		Hardware – 77.5%
Favorite class:	Graphs and Algorithms – 75%	Programming – 75%
Activities	Imperial Dance Club, Salsa and Bachata	
Societies	Active member of the Department of Computing Society	
2013 – 2018	Charterhouse School	Godalming, UK
Pre-U	Math (D1), Further Math (D2), Physics (D2) & Economics (D2) (equivalent to A*A*A*A*)	
Activities	1 st trumpet in the Symphonic Orchestra	
Societies	Head of Perception Society organizing weekly speeches by leading specialists with focus on neurosciences	

PROJECTS

December 2019	Pintos Operating System	Imperial College, UK
<i>Extended a basic operating system, implementing scheduling algorithms, support for user system calls and virtual memory management in a group of 4. C</i>		
October 2019 – Present		Imperial College, UK
<i>Worked as an Undergraduate Teaching Assistant with the Department of Computing.</i>		
June 2019	ARM11 project	Imperial College, UK
<i>Implemented an assembler and emulator for a subset of the ARM architecture in a group of 4. As an extension, developed a debugger for the emulator. C</i>		
February 2019	Turtle Interpreter	Imperial College, UK
<i>Designed a program that allows a user to draw pictures using a Turtle Graphics Language. Also included a command interpreter that reads and executes input. Java</i>		

WORK EXPERIENCE

June 2017	Trainee at ABB Robotics	Milton Keynes, UK
Teamwork with experienced technicians from the automotive industry . Applied my programming skills to operate production line robots.		
June 2016	Intern at ABB Oil & Gas	St Neots, UK
In the workshop department, assembled hardware in electrical cabinets for automation systems of offshore oil and gas rigs.		

VOLUNTEER EXPERIENCE

July 2017	Worker for Union “REMPART”	Collioure, France
Took part in a demanding program to restore the Napoleonic Dugommier strong under the direction of an architect. Developed my hands-on skills, such as masonry, and learned to collaborate with an international team of all-age volunteers from diverse backgrounds.		



cyprien.roche18@imperial.ac.uk

www.doc.ic.ac.uk/~cr618/

linkedin.com/in/cyprienroche

github.com/cyprienroche

twitter.com/cyprienroche

SKILLS

Java, Kotlin, C, Haskell
Python, JavaScript
Git, CI/CD, TDD
Agile Software Development
Creativity, Resilience
Team coordination

HONORS-AWARDS

Senior Scholarship
Additional Scholarship
Music Scholarship

LANGUAGES

French (Native)
English (Bilingual)
Spanish (Basic)

CERTIFICATIONS

IRC5 programming & operation
Trumpet Grade 8
Karate Black Belt

RESEARCH PROJECT

Extended essay about how artificial neurons and Deep Learning work and what changes they could induce in human nature.

INTERESTS

Running, cross-country skiing
Travelling, philosophy
Piano, music composition
Hackathons