

NOAN LE RENARD

Penultimate year Computer Science student at UCL

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EXPERIENCE

Technical consultant

Microsoft

📅 Oct 2019 – Mar 2020

📍 London, UK

- Worked for the NHS as part of UCL's Industry Exchange Network
- Mission: create a simulator predicting emergency department busyness using AI and a generalised system for modelling an emergency department
- Technologies: web server full stack development, data science and analysis, algorithm modelling, machine learning and database engineering
- Extensive use of the Azure environment and services

IT Production Intern

BNP Paribas Hong Kong

📅 June 2019 – Sept 2019

📍 Hong Kong

- Mission: upgrading the Bank's operating system to Windows 10
- Helped develop & maintain the IT infrastructure of the Bank
- Joined the on-site support team to help with day-to-day operations
- Debugging and developing of internal software and hardware

Academic Projects

UCL

📅 2018-2020

📍 London, UK

- Lead team of 11 computer scientists and electrical engineers to build a bioreactor for vaccine production, obtained 100% in peer assessment review
- Built Java implementation of Unix shell using object-oriented design patterns
- Created an propositional logic parser and solver in C
- Developed an Apache Tomcat web application with data analytic features for a Java database backend with a Swift GUI
- Built an compiler front-end in Java with JFlex and Cup
- Implemented an Von Neumann architecture for a single-cycle processor on FPGA board using MIPS assembly
- Coded AI in Python to play Tetris intelligently
- Built a piano with a gyroscope on an Arduino breadboard programmed with the Arduino IDE and visualised with Processing.js

Web Development

Freelancer

📅 Apr 2018 – Aug 2019

📍 London, UK

- Designed and developed front-end websites eg: lerenard.com, anovy.asia

EDUCATION

BSc Computer Science

📅 Sept 2018 – Ongoing

📍 University College London, UK

- Expected 2:1 Grade
- Vice-President of Kung-Fu society
- Societies: Technology, Data Science, FinTech, Engineering, Investment

High School - French Scientific Baccalauréat and IB

📅 Sept 2015 – June 2018

📍 French International School of Hong Kong

- Obtained highest distinction
- Prized member at Singapore International Model United Nations

SKILLS

Programming Languages

Java, C, Python, R, JavaScript, SQL, Haskell

Web Technologies

Node.js, HTML, CSS, Express.js, Bootstrap

Databases

MySql, PostgreSQL, MyPhpAdmin

Version Control & Containerization

Git, GitHub, Docker

Cloud computing Services

Microsoft Azure, Amazon Web Services

Embedded Systems

Intel Quartus Prime, Arduino

OS

Windows, Linux (Ubuntu, CentOS), macOS

Design Tools

LaTeX, AutoCAD, Blender, Adobe creative suite: Photoshop, Premier, After effects

Sports

Competitive Sailor, Kung-Fu Instructor

Music

Jazz drummer, classical pianist

SOFT SKILLS

Creativity

Collaboration

Problem Solving

Adaptability

TEACHING

Freelance Tutoring

📅 2015 – Ongoing

📍 Hong Kong, London

Maths, Physics, Biology, French, English, Mandarin, Piano

High School Tutoring Program

📅 2017

📍 Hong Kong

Computer Science, Maths, Physics

LANGUAGES

English

French

Mandarin

Spanish

