

# Bruno Cavaca

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## EDUCATION

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### King's College London

MSci Computer Science (Artificial Intelligence)

*Predicted: 1<sup>st</sup> Class*

- Awards: Professional Skills for a Globalised World

## WORK EXPERIENCE

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### White & Case LLP

*Intern*

*July 2019-August 2019*

- Collaborated with fellow interns on solving imaginary legal cases, identifying and implementing various strategies to maximise the reward attained by the client represented whilst using AI to attain key information out of documents.
- Assisted in and automated the creation of email groups between the library department across the whole company using Excel and Outlook, increasing efficiency of information delivery between the respective departments.
- Reviewed and successfully delivered team projects to the company hierarchy based on findings during my internship, leading to having the opportunity to intern within this time at Vodafone, Nomura Bank, and KFC.

## ACHIEVEMENTS

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### J.P. Morgan Chase & Co

*Virtual Experience*

*May 2021*

- Developed a back-end stock price data feed in order to allow traders on the floor to analyse stock prices and changes in real time through Python and J.P. Morgan Chase frameworks, increasing efficiency on the trade floor.
- Implemented the graph interface with a series of the most traded stocks with their prices relative to price intervals, allowing for easier market interventions by the traders.

### Goldman Sachs

*Virtual Experience*

*August 2021*

- Assessed the level of protection offered by implemented password measures, using Hashcat to crack passwords and evaluate the effectiveness of current password requirements.
- Communicated across the company detailing my findings on the current passwords found in the company, and suggesting improvements in order to decrease the likelihood of successful breaches.

## PREVIOUS PROJECTS

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### Personal Portfolio Website ([Github](#))

- Created a portfolio website to display CV in an interactive manner using Vite and React.

### LibraGo: An Autonomous Service Robotic Librarian ([GitHub](#))

- Developed an Autonomous Service Robot using ROS (Robot Operating System; Python) to create an assistive robotic librarian with conversational, object detection and manipulation capabilities
- Harnessed state machines alongside novel techniques to create a first of its kind robotic solution to counter accessibility difficulties for impaired individuals

### LiverHub: An Information Hub for young people with liver disease ([GitHub](#))

- Developed an Android/iOS mobile platform (using Dart/Firebase) for King's Paediatric Liver Centre, with a range of social media style features, including streaming, blogging and quiz abilities.
- Co-ordinated all communication between a team of nine and the client, leading to several successful meetings across a span of 16 weeks.

## SKILLS & INTERESTS

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**Skills:** C1 Portuguese | Spanish | Python | Java | React | SQL

**Interests:** Medtech, Human-Computer Interaction, Finance, Analytics, Football