


# LANCELOT BLANCHARD

Third year Student in MEng Computing  
Imperial College London

## CONTACT

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## EDUCATION

- |              |   |
|--------------|---|
| 2018<br>2022 | <b>MEng Computing, Imperial College London</b> <ul style="list-style-type: none"><li>• First Class Honours in Years 1 and 2.</li><li>• Dean's List in Year 2.</li><li>• Awarded by the 2018 Entrance Scholarship for best application.</li></ul>                      |
| 2015<br>2018 | <b>French Scientific Baccalauréat with International Option (OIB)</b> <ul style="list-style-type: none"><li>• Highest Honours (average 18.69/20).</li><li>• Highest mark in Computing, Mathematics, Natural Sciences, Philosophy and Science Group Project.</li></ul> |
| 2006<br>2018 | <b>Classical Piano and Music Theory, Conservatory of Rennes</b> <ul style="list-style-type: none"><li>• Grade 8 Equivalent with Advanced Harmony, Honours.</li></ul>  |

## KEY ENGINEERING PROJECTS

- DJ Synchronisation Technology - DJStreamr (Second Year Group Project)** Jun 2020 - Sep 2020  
• Designed and implemented a brand-new technology to allow the synchronisation and livestreaming of remote DJ gigs.  
• Practiced Full Stack skills using Typescript, HTML, CSS and Vue.js on the Frontend, and Kotlin and AWS on the Backend.  
• Gained interest of DJ companies (Native Instruments) and DJ labels (DEFECTED). Ranked 3rd best project overall.
- AI Chess Player (First Year Group Project)** Jun 2019  
• Developed a C Program that uses OpenCV (Computer Vision) to detect the state of a physical chess board using a phone's camera. The state is then processed by AlphaZero AI over SingularityNET to answer the best next move.  
• Most Interesting Extension Prize and ranked 2nd best project overall.
- Analysis of Spotify Algorithmic Playlists (Year 13 Computing Group Project)** Jun 2018  
• Developed Python algorithms to collect data of tracks featured on different Spotify Algorithmic playlists over time, using the beta Web Service 'SpotOnTrack' as well as the Spotify API.  
• Analysed the data using R to find correlations between track peak positions, the duration of their stay in the playlist and their keys as well as Spotify's own 'Audio Feature' parameters.  
• Received highest mark for the project.
- Study on the Influence of Music on the Brain (Year 12 Science Group Project)** Sep 2016 - Feb 2017  
• Conducted research in Music, Biology, Neuroscience and Psychology.  
• Developed an open-source web app interactive survey using Javascript and PHP.  
• Collected and analysed over 1,400 answers to gain an understanding of the effect of music on people's emotions.  
• Received highest mark for the project.
- Development of Android Messaging App** 2014  
• Developed frontend using Java for Android and backend using Java EE and Google Cloud Platform's Datastore services.  
• App released on Google Play Store.

## SKILLS & INTERESTS

-  **Computing**  
Python, Java, Kotlin, C, Haskell, Git, R, SQL, HTML, CSS, PHP, Javascript, Typescript, Linux, AWS, GCP
-  **Languages**  
French (Native), English (Fluent), German
-  **Music**  
Piano, Guitar, Production, Songwriting, Mixing, Sheet Writing, Synth Design
-  **Sports**  
10k runner (personal best 45:17)

## ADDITIONAL EXPERIENCE

- ICR Production** Oct 2019 - Present  
*University Recording Studio & Label*
  - Manage a fully equipped recording studio and train people to use the equipment with monthly workshops.
  - Record bands, broadcast live sessions on the University radio and share recorded music online.
- SENSE** Mar 2016 - Present  
*Music Group signed with Netwerk*
  - Promote and sell songs to brands (Gelato Pique, Ipagoo), movies (YouTube Premium) and world-famous Vloggers.
  - Develop business and machine learning strategies leading songs to the Top 10 charts in the Philippines and Top tier Playlists.
- Anchor for a webradio** Aug 2013 - Jul 2015
  - Managed music broadcasting and runned weekly shows.