

# LORENZO BERNASCONI

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## EDUCATION

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### Imperial College London

September 2018 - June 2022

- Integrated Master's Degree - Information Systems Engineering MEng (Electronics and Computer Science)
- **Academic Attainment:** First Class Honours.
- **Awards:** 2022 Dean's List Award, 2022 Willis Jackson Medal and Prize for excellence in final year studies.

## EXPERIENCE

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### Imperial College Adaptive and Intelligent Robotics Lab

January 2020 - July 2022

*Undergraduate Researcher*

*London, United Kingdom*

- Published a research paper at a major academic conference for robotics and machine learning (IEEE ICRA).
- Currently in the process of writing a conference paper based on the findings of my thesis.
- Received a research bursary of £3,300 from Imperial College.

### Xapien - Automated research

March 2021 - September 2021

*Machine Learning Engineer*

*London, United Kingdom*

- Led the research of new machine learning algorithms for text analysis and implemented them, improving the quality of the corporate reports generated for customers.
- Proposed and implemented changes to the system used for web-scraping, resulting in a 7% speed increase.

### Luna Bank Consultancy Project - Imperial College Consulting Society

May 2021 - August 2021

*Project Manager*

*London, United Kingdom*

- Conducted market research, identified addressable customers, segmented the market and developed an entry strategy, resulting in a 59% increase in potential revenue.
- Managed a team of 6 associates and guided them to perform effective research.
- Curated a set of machine learning algorithms to assess student loan default risk in low-income countries, allowing Luna Bank to effectively generate customized interest rates based on user data automatically.
- Created an implementation plan and budget to set up and maintain cloud infrastructure for the business.

### StatCollect - Big Data for Small Business

April 2019 - April 2020

*Co-Founder, CTO*

*Milan, Italy*

- Led the implementation of our automated data analysis/collection systems in small businesses to make them more efficient (example: reducing the idle time per day of a dentist office by an average of 25 minutes).
- Obtained 12 clients over a year whilst continuing my studies.

### SnapSense - Empowering healthcare workers with modern AI.

August 2020 - February 2021

*Co-Founder, CTO*

*London, United Kingdom*

- Managed a team of 12 student interns in developing a web platform over 3 months which formed our MVP.
- Negotiated to pilot our platform at 2 major London hospitals (St. Thomas and Chelsea and Westminster).

## PUBLICATIONS

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- Bryan Lim, Luca Grillotti, Lorenzo Bernasconi, & Antoine Cully. “**Dynamics-Aware Quality-Diversity for Efficient Learning of Skill Repertoires**” 2022 IEEE International Conference on Robotics and Automation.

## PERSONAL

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- **Technical Skills:** Programming (Python, SQL, C++, C#, JS, Java), Excel, PowerPoint.
- **Interests:** Music (guitar, piano, composition), Sport (golf, baseball, padel), scientific writing.