

# Juan Pablo Mantilla Oliveros

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## Experience

2022 - Present	<b>Co-Founder</b>	<i>MantEch</i>
	<ul style="list-style-type: none"><li>Responsible for market analysis and creating business and financial plan</li></ul>	
2020 - Present	<b>Freelance IT</b>	<i>Various</i>
	<ul style="list-style-type: none"><li>Created an automatic page navigation system based on Microsoft Edge Read Aloud.</li><li>Development and maintenance of Backend and Frontend for web game using Django and ReactJS.</li><li>Unit Testing.</li><li>DB management (PostgreSQL, MySQL, SQLite).</li><li>Token based Authentication.</li><li>Algorithm Design and Implementation.</li></ul>	
2017-10 2019-07	<b>R&amp;D Engineer</b>	<i>Quantum Medical - Universitat de Barcelona</i>
	<ul style="list-style-type: none"><li>Defined and standardized protocol to extract and pre-process data from 10 years' worth of patients' records.</li><li>Implemented several Artificial Neural Networks to predict sedation effect of anesthetic drugs and control doses in real time.</li><li>Participated in data collection in ORs, following OR and clean room procedures.</li></ul>	

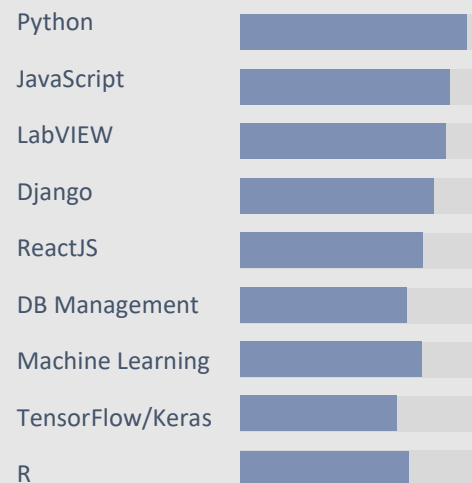
## Education

2018 - 2019	<b>Master's Degree in Innovation and Entrepreneurship in Biomedical Engineering</b>	<i>Universitat de Barcelona, Barcelona, Spain</i>
	<ul style="list-style-type: none"><li>Excelled in Machine learning, Financial management of biomedical firms, Management of Innovation and Entrepreneurship coursework.</li></ul>	
2014 - 2018	<b>BS in Biomedical Engineering</b>	<i>Universitat de Barcelona, Barcelona, Spain</i>
	<ul style="list-style-type: none"><li>Excelled in Modeling of biological systems, Innovation and Creativity in Organizations coursework.</li><li>Awarded "The Best solution developed to address the needs of a health information system based on continuity of care" in the Medical Informatics and Telemedicine course.</li><li>Dissertation: "Modeling and Control of Anesthetic Drug Effects on Physiological Signals Using Neural Networks." Advisor: Dr. Pedro Gambús.</li></ul>	

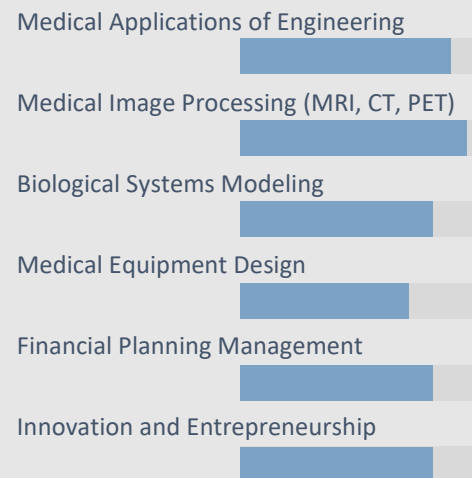
## Achievements

- First place in the Autonomous Regions phase of the XXV Olimpiada Española de Biología.
- Reached the national phase of the Olimpiada Colombiana de Matemáticas 2012, 2013 and 2014.
- Completed "Biomedical Engineering: Analysis, Computing and Applications" seminars by IEEE EMB/CEEIBIS. February-June 2016.
- Premio a la Excelencia por papel destacado en HISPAMUN Modelo ONU.

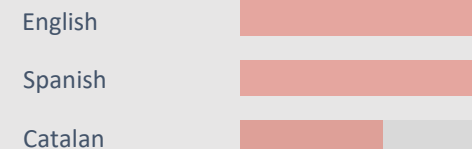
## Tech Skills



## Other Skills



## Languages



## Hobbies & Interests

Chess: 1700 rated (1900 Lichess)

Music: I play bass and guitar and love listening to live music.

Fitness: I enjoy cooking healthy food and going to the gym.