

Juan Pablo Mantilla Oliveros

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Experience

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|----------------------------|-------------------------|--|
| 2022 - Present | Co-Founder | <i>MantEch</i> |
| | — | Responsible for market analysis and creating business and financial plan |
| 2020 - Present | Freelance IT | <i>Various</i> |
| | — | Created an automatic page navigation system based on Microsoft Edge Read Aloud. |
| | — | Developed and maintained Backend and Frontend for web game using Django and ReactJS. |
| | — | Unit Testing |
| | — | DB management (PostgreSQL,MySQL,SQLite) |
| | — | Token based Authentication |
| | — | Design of game solving algorithms |
| 2017-10
2019-07 | R&D Engineer | <i>Quantum Medical - Universitat de Barcelona</i> |
| | — | Defined and standardized protocol to extract and pre-process data from 10 years' worth of patients' records. |
| | — | Implemented several Artificial Neural Networks to predict sedation effect of anesthetic drugs and control doses in real time |
| | — | Participated in data collection in ORs, following OR and clean room procedures. |

Education

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|--------------------|---|---|
| 2018 - 2019 | Master's Degree in Innovation and Entrepreneurship in Biomedical Engineering | <i>Universitat de Barcelona, Barcelona, Spain</i> |
| | — | Excelled in Machine learning, Financial management of biomedical firms, Management of Innovation and Entrepreneurship coursework |
| 2014 - 2018 | BS in Biomedical Engineering | <i>Universitat de Barcelona, Barcelona, Spain</i> |
| | — | Excelled in Modeling of biological systems, Innovation and Creativity in Organizations coursework |
| | — | 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. |
| | — | Dissertation: "Modeling and Control of Anesthetic Drug Effects on Physiological Signals Using Neural Networks." Advisor: Dr. Pedro Gambús |

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 CEEIBIS 2016.

Skills

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|------------------|-------|
| Python | ★★★★★ |
| LabView (CLAD) | ★★★★★ |
| JavaScript | ★★★★★ |
| Django | ★★★★★ |
| ReactJS | ★★★★★ |
| MATLAB | ★★★★★ |
| C# | ★★★★★ |
| TensorFlow/Keras | ★★★★★ |
| R/RStudio | ★★★★★ |

Languages

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|---------|-------|
| English | ★★★★★ |
| Spanish | ★★★★★ |
| Catalan | ★★★★★ |

Hobbies & Interests

Chess: 1800 rated (2000 Lichess)

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

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