

Giacomo Bignante

Polytechnic University of Turin (Italy)

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EDUCATION

Program	Institution / Board	Year
<i>M.Tech.</i> (Biomedical Instrumentation)	Polytechnic University of Turin <i>Turin, Italy</i>	2020-2023
<i>B.Tech.</i> (Biomedical Engineering)	Polytechnic University of Turin <i>Turin, Italy</i>	2016-2020
<i>Diploma</i> (Scientific High School)	Liceo Scientifico L.Cocito <i>Alba, Italy</i>	2011-2016

EXPERIENCE

Graduate Research Fellow - *Polytechnic University of Turin*

Oct 2023 - Present

- I am currently collaborating with the Politecnico di Torino on a project to develop and improve a patented prototype for fluid analysis in Continuous Renal Replacement Therapy (CRRT). This project is an interdisciplinary effort involving intensive care specialists, vision system and molding company managers, and academics from the Politecnico and other Italian universities. My responsibilities include leading this diverse team, ensuring seamless cooperation across various disciplines, and focusing on in vitro experiments, clinical study documentation, CE certification, and device improvements.
- *Keywords: Teamwork and Collaboration, Software Development, CE marking, Patent*
- Language: C++, Python, Qt
- Tools: SolidWorks, Matlab, Visual Studio Code

Graduate Research Fellow - *Houston Methodist Research Institute*

Oct 2022 - Jun 2023

- As a Graduate Research Fellow at Houston Methodist Research Institute, I focused on advancing a cutting-edge project aimed at treating Type 1 diabetes. My contribution centered on enhancing techniques and methodologies related to an advanced medical device, with a particular emphasis on laboratory studies and practical applications in experimental settings.
- *Keywords: Project Planning, Public Speaking, Data Presentation, Design of Experiment*
- Tools/Libraries: SolidWorks, LaTeX, Office

TECHNICAL SKILLS

- Programming Language: C, C++, Python
- Operating System: Windows, MacOS
- Framework: Qt
- Tools: Matlab, Simulink, SolidWorks, Latex, Microsoft Office

OTHERS

- Hobbies: Travelling, Cooking, Soccer
- Languages: English, Italian.

DECLARATION

I do hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Place: Canale, CN (Italy)

Date: 10th Feb, 2024

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