

EDUARDO DA VEIGA BELTRAME

Brazilian, 26 years old. Personal website: www.munfred.com

EDUCATION

- PhD candidate, bioengineering**
California Institute of Technology, Caltech (USA) 2017 - current
- B.S. Biological Physics, Brandeis University**
Federal University of Santa Catarina, UFSC (Brazil) 2011 to 2014
Transfer to Brandeis University (USA) 2014 to 2016
- Electronics Technician, IFSC**
Federal Institute of Santa Catarina, IFSC (Brazil) 2007 to 2010

EXPERIENCE

- Pachter Lab**
PhD candidate – 2017 – current (Caltech, USA)
Working on developing new experimental and methods for single cell RNA sequencing, computational analysis of large datasets, and development of open source scientific instrumentation.
- Ginkgo Bioworks**
Internship – 2017 (Boston, USA)
Performed proteomics using LC-MS, python programming and data analysis.
- Kondev Biophysics Group**
Project – 2015 to 2016 (Brandeis University, USA)
Analytic and computational models for bacterial transcription and gene expression were investigated.
- Katz Laboratory**
Research Assistant – 2015 to 2016 (Brandeis University, USA)
Investigation the role played by the basolateral amygdala during the formation of new memories utilizing electrophysiology, molecular and behavioral techniques.
- New Valence Robotics**
Internship – 2015 (Boston, USA)
Developed biomolecular content for lesson plans and 3D printed models, assembled, repaired and tested printers and materials.
- Molecular Electronic Structure Group**
Member – 2013 to 2014 (Florianópolis, Brazil)
Investigation of the nitrosylation reaction of Protein tyrosine phosphatase A (PtpA) using molecular dynamics.
- Laboratory for Molecular Structural Biology**
Research assistant – 2013 to 2014 (Florianópolis, Brazil)
Performed characterization of novel cyclopeptides using mass spectrometry and molecular biology techniques.
- Universitat Autònoma de Barcelona - UAB**
Exchange program – 2011 (Barcelona, Spain)
Studied Spanish language and history.

CONTACT

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SKILLS

	average	good	skilled		
3D printing	1	2	3	4	5
Electronics	1	2	3	4	5
Python	1	2	3	4	5
Linux environment	1	2	3	4	5
Web design	1	2	3	4	5

LANGUAGES

	basic	good	fluent		
English	1	2	3	4	5
Portuguese	1	2	3	4	5
Spanish	1	2	3	4	5
Chinese	1	2	3	4	5

HIGHLIGHTS

- Worked as president of the **Brandeis 3D Printing Club**
- Experience in project management and event organization such as the **Brandeis University Printathon**
- Created hundreds of **3D printed biomolecular models** for teaching and research. Assisted several courses using 3D printing.
- Published video article **3D Printing of Biomolecular Models for Research and Pedagogy** doi:10.3791/55427
- Helped establish the **Brandeis University MakerLab**
- Co-developed the low cost, open source and 3D printable **poseidon syringe pump system**.