

JAVIER ALEJANDRO BELMONTE

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GitHub: [javierb07](#) | LinkedIn: [javier-alejandro-belmonte](#)

EDUCATION

- Purdue University** West Lafayette, Indiana, USA
Master of Science in Mechanical Engineering | GPA: 3.77/4.00 August 7, 2020
 Focus: Design of Mechatronic Systems, Control Systems
 Thesis: "Design and Implementation of an Internet of Things Architecture for Immersive Interfaces"
- National University of Tucumán** Tucumán, Argentina
Mechanical Engineer | GPA: 7.92/10.00 December 2, 2016
 Final Project: "Retrofitting of a Washing Machine"

WEB PORTFOLIO

- <https://javierb07.github.io/web-portfolio/>

WORK EXPERIENCE

- Purdue University** West Lafayette, Indiana, USA
Graduate Research Assistant at Convergence Design Lab August 2018 – August 2020
 - Supported and researched on topics related to IoT, robotics, software development, and prototyping*Graduate Teaching Assistant of Computer-Aided Design and Prototyping* January 2019 – May 2019
 - Guided students in the process of learning the fundamentals of product design and ideation*Graduate Teaching Assistant of Measurement and Control Systems I* August 2018 – December 2018
 - Guided students through the successful completion of laboratories destined to understand modeling and instrumentation of physical systems
- National University of Tucumán** Tucumán, Argentina
Lecturer of Experimental Physics I October 2017 – July 2018
Undergraduate Teaching Assistant of Experimental Physics I June 2011 – July 2017
 - Guided students of all engineering majors in learning the fundamental principles and laws of physics required to solve engineering problems
- Scania Argentina S.A.** Tucumán, Argentina
Process Engineer Intern February 2015 – July 2016
 - Proposed and implemented projects to improve all production metrics

TECHNICAL SKILLS

- Programming languages: C, C++, C#, MATLAB, Simulink, Python, Assembler
- Full-Stack Web Development:
 - Frontend: HTML, CSS, JavaScript, React, EJS, jQuery, Bootstrap
 - Backend: Node.js, Express, MongoDB, Mongoose, SQL
- Version control: GIT (GitHub/GitLab)
- Virtualization: Docker
- Microsoft Office Suite | Graphics editing: Adobe Photoshop | Video editing: Camtasia Studio
- Embedded Systems: Arduino, STM32F10X, Raspberry Pi, ESP32
- Languages: Native Spanish | Advanced English (C2) | Intermediate German (B1)

SCHOLARSHIPS AND AWARDS

- Fulbright Scholarship Sponsor: Fulbright Commission | 2018 – 2020
- Full Tuition Award Sponsor: Purdue University | 2018 – 2020
- Bicentenario Scholarship Sponsor: Ministry of Education of Argentina | 2009 – 2014