

# Fábio Pereira Benjovengo

## Electrical Engineer, PhD and Hardware Designer.

Electrical engineer and hardware designer with Masters and PhD degrees in Control Systems and with excellent interpersonal skills. During a ten-year career as an assistant professor of the school of electrical engineering of Puc Campinas (Brazil), I have been vice-director of the schools of Electrical and Mechanical Engineering. As a hardware designer, I have designed microcontrolled systems for a wide range of applications.

Throughout my career, I have consistently demonstrated a passion for pushing the boundaries of what is possible in the field of electrical engineering. I am excited to continue applying my skills and knowledge to tackle new challenges and contribute to the advancement of technology that will shape the future.

### PORTFOLIO

**GitHub:** <https://github.com/Benjovengo>

### PROFESSIONAL EXPERIENCE

#### Back-end Developer

June 2023 – January 2024

ICTS, Brasília/DF (Brazil)

- Development of an anonymous ballot system in the blockchain for internal sensitive voting matters.
- Development of a backend in C# for an application that keeps track of issues in a PCB production line..

#### Freelancer Blockchain Developer

March 2020 – June 2023

Remote freelance jobs, Brasília/DF (Brazil)

- Development of a system based on blockchain to track the ownership of luxury items for the fashion industry.
- Development of a medical blockchain application to track drugs given to patients.
- Revision of smart contracts before deployment and consulting about smart contracts security and how to optimize the code to minimize the gas fees.

#### Financial Manager

June 2020 – July 2021

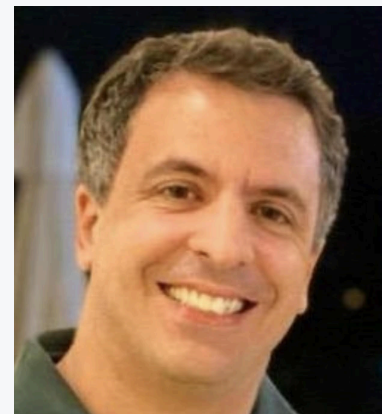
Reciclando Luxo, Brasília/DF (Brazil)

- I oversaw the financial health of a second-hand retail store of luxury fashion goods.
- I monitored cash flow, determined profitability and pricing of the goods, and managed expenses.
- Development of an automation system for the creation of monthly financial reports with all the data visualization required to analyze the financial health of the store.

#### Assistant Professor of Electrical Engineering

August 2010 – July 2020

Puc Campinas, Campinas/SP (Brazil)



### CONTACT INFO

- Campinas, SP - Brazil
- +55 19 9.9202-5064
- fabio.benjovengo@gmail.com

### SKILLS

#### Hard Skills:

- Embedded systems Design
- Computer programming
- Computer software knowledge
- Modeling and simulation of electrical systems
- Control systems analysis and design

#### Soft Skills:

- Critical thinking
- Adaptability
- Teamwork
- Problem-solving
- Communication
- Decision-making
- Resourcefulness

#### Programming Languages and Tools:

- Altium Designer
- Python
- JavaScript
- React.js
- Matlab/Simulink
- Microsoft Office
- VBA

### OTHER INFORMATION

- English - fluent
- Portuguese - native
- Spanish - intermediate

- Assistant professor of the School of Electrical and Automation and Control Engineering (former School of Electrical and Telecommunications Engineering).
- Main fields:
  - Control Systems
  - Digital Electronics
  - Embedded Systems
  - Robotics
  - Software Development
- Associated head of the schools of Electrical and Mechanical Engineering - from 2019 to 2020.

### **Visiting Assistant Professor**

**August 2009 – December 2009**

Unesp, Sorocaba/SP (Brazil)

- I taught the discipline of Digital Control Systems at undergraduate level for the school of Automation and Control Systems Engineering.

## **ACADEMIC HISTORY**

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### **PhD in Electrical Engineering**

**August 2007 – December 2016**

Unicamp, Campinas/SP (Brazil)

- *Dissertation title:* "Sliding mode approaches for the longitudinal control of an autonomous robotic blimp"
- Advisors: Paulo Augusto Valente Ferreira and Ely Carneiro de Paiva
- CAPES scholarship

### **MA in Electrical Engineering**

**August 2004 – March 2006**

Unicamp, Campinas/SP (Brazil)

- *Thesis title:* "Robust pole placement and stability analysis of interval systems with data dependencies"
- Advisor: Paulo Augusto Valente Ferreira
- CAPES scholarship

### **BA in Electrical Engineering**

**March 1999 – July 2004**

Unicamp, Campinas/SP (Brazil)

- Certification in Control Systems.