

Victor Pires

Data Analyst – San Ramon, California

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EDUCATION

Bachelor of Science, Electrical Engineering

Federal University of Bahia, Brazil (UFBA)

2010 to 2016

California State University, Fullerton, USA (CSUF)

Fulbright Scholarship: 2014 to 2015

ACHIEVEMENTS & AWARDS

UC Davis NATCAR Races (**4th Place**)

May 2015

- Programmed an autonomous line following robot and competed against 43 teams ([UCD](#)) ([YouTube](#))

Second Annual CSUF Line-Following Robot (NATCAR) Competition (**2nd Place**)

May 2015

- Lead a team of 2 that built and programmed an autonomous line following robot

UFBA PET Arduino Challenge (**1st Place**)

Apr 2014

- Lead a team of 5 that built and programmed an autonomous house prototype

SKILLS & COMPETENCIES

- Proficient:** Python, Excel, TensorFlow, Keras, Scikit-Learn, Jupyter, Pandas, Git
- Familiar:** SQL, Power BI, R, NumPy, Matplotlib, HTML, Matlab, C
- Languages:** English (*Fluent*); Portuguese (*Native*) and Spanish (*Intermediate*)

PROFESSIONAL EXPERIENCE

Data Analyst

San Ramon – California

Jan 2019 to Present

- Working on a project to forecast air quality for the city of Bend, Oregon ([GitHub](#))
- Participating in a competition to identify surfaces with inertial measurement unit sensors data ([Kaggle](#))
- Participated in a power line fault detection competition (\$ 25,000 prize) ([Kaggle](#))
 - 102 of 1,541. First place's score: 71.8%; My team: 64.8%. (*Top 8%*)

Machine Learning Researcher

Salvador – Brazil

Dec 2017 to Dec 2018

- Extracted, transformed and performed statistical analysis on publicly available data
- Wrote machine learning algorithms from scratch in Python with didactic purposes
- Took classes in statistics, programming, databases, data science and machine learning

Electronics Systems Intern

Integrated Circuits Design Laboratory – UFBA

Jan 2017 to Apr 2017

- Installed, configured and maintained Linux and electronics CAD software on all the lab's workstations

Robotics Research Intern

Institute of Navigation – CSUF (Brazil Scientific Mobility Program / Science without Borders) Jul to Aug 2015

- Studied computer vision and coded algorithms for an autonomous robot competition

Electronics Researcher

Integrated Circuits Design Laboratory – UFBA

Jan 2014 to Jul 2014

- Programmed microcontrollers for the operation of an image processing cellular neural network

Research and Development Coordinator

Electric Wave Group – UFBA

Oct 2012 to Oct 2013

- Coordinated 14 members in creating and maintaining interactive physics and engineering experiments
- Presented experiments and explained its concepts to hundreds of middle and high school students