

ANA LUCIA CRUZ

Robotics Engineer & STEM Educator

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EDUCATION

PhD in Mechanical Engineering

INRIA, ENS Rennes

Nov. 2013 – Nov. 2016 France

Master's degree in Advanced Robotics

École Centrale de Nantes

Sept. 2011 – Sept. 2013 France

Bachelor's degree in Mechatronics

Universidad Tecnológica Centroamericana

Jan. 2007 – Mar. 2011 Honduras

ENGINEERING EXPERIENCE

Software engineer

Objective Software (BMW partner)

Jan. 2018 – April. 2018 Italy

Robotics R&D engineer (Internship)

IRCCyN & Laval University (Canada)

Mar. 2013 – Aug. 2013 France

Mechatronics engineer

3D Solutions

Jul 2010 – Dec. 2010 Honduras

TEACHING EXPERIENCE

STEM/Coding/Robotics Lead

La Scuola Possibile

2018 - 2019 Italy

Supervisor freshman-year projects

ENS Rennes

2014-2016 France

Physics, Math, English tutor

Freelance

2009-2011 Honduras

MY LIFE PHILOSOPHY

"There is no greater education than one that is self-driven." Neil deGrasse Tyson

MOST PROUD OF



Promoting STEM

I am organizing STEM workshops for honduran children from impoverished areas.



Inspiring women to pursue careers in tech

I motivate women/girls from difficult areas in Honduras through talks.



Winner Fondation Centrale Scholarship



Speech at Les Invalides, Paris

I had the chance to talk about my country and how the Fondation Centrale scholarship helped me become a robotics engineer.

LANGUAGES

English ● ● ● ● ●

Spanish ● ● ● ● ●

French ● ● ● ● ●

Italian ● ● ● ● ●

TECHNICAL SKILLS

Robotics Coding Mechanical design

Biomechanics Bio-inspired control

Machine learning Artificial Intelligence

MATLAB Python C++

ROS Simulink V-rep CATIA

Volunteer teacher in Computer Science and Math

Los Sauces school for girls

📅 2006

📍 Honduras

STEM ADVOCACY

Move It Forward Torino - Women for digital and social innovation

Digital Leadership Institute

📅 April 2018

📍 Italy

Scientific presentations (Conferences, workshops)

IRCCyN, INRIA

📅 2013 – 2016

📍 France, Portugal, Germany

Speaker at the "International Girls in ICT Day"

International Telecommunications Union

📅 April 2016

📍 Honduras

Speaker at an event by IEEE/WIE (Women in Engineering)

WIE, UNITEC

📅 Mar. 2016

📍 Honduras

Speaker at the event "Just like robotics, you have a great future"

École Centrale de Nantes

📅 Feb. 2016

📍 France

Speaker at CIC Bank's ceremony at Les Invalides

Fondation Centrale

📅 Dec. 2012

📍 France

Volunteer translator/interpreter

Honduras this week

📅 2004

📍 Honduras

PERSONAL SKILLS

Motivated

Organized

Perseverant

Instructive speaker

Attentive to detail

Clear and concise writer

HOBBIES

- Popularizing science and technology
- Designing STEM/robotics workshops
- Writing
- Tutoring
- Playing piano (classical, pop/rock)

REFEREES

Prof. STEPHANE CARO

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France

Prof. PHILIPPE CARDOU

@ University of Laval

✉ Philippe.Cardou@gmc.ulaval.ca

Canada