

# Osamu Katagiri

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katagiri-mx.com | linkedin  
osamu.katagiri@exatec.tec.mx  
+52 55 2300 9176

## EDUCATION

### TECNOLÓGICO DE MONTERREY

#### MSC IN NANOTECHNOLOGY

Jan 2019 - Dec 2020 | Estado de México, MX

Cum. GPA: 3.8 / 4.0

### TECNOLÓGICO DE MONTERREY

#### BS IN DIGITAL SYSTEMS AND ROBOTICS

Aug 2012 - May 2016 | Querétaro, MX

Cum. GPA: 3.5 / 4.0

## LINKS

Github:// [katagirimx](#)

LinkedIn:// [Osamu Katagiri-Tanaka](#)

Personal Website:// [katagiri-mx.com](#)

## COURSEWORK

### GRADUATE

Nano-structured Materials

Carbon Nano-materials

Plastics and Composites Engineering

*Rheology & Electrospinning*

### UNDERGRADUATE

Sensors

Control Engineering

Digital Systems

Computer Architecture

Embedded Systems

Web Application Design

Microcontrollers

Electric Circuits

## SKILLS

### PROGRAMMING

Over 5000 lines:

Python • Javascript •  $\text{\LaTeX}$

Over 2000 lines:

C • C++ • ADA • Verilog • VHDL

Over 1000 lines:

Java • CSS • PHP • Assembly

Familiar:

Android • MySQL

## EXPERIENCE

### GE AVIATION | EMBEDDED SOFTWARE ENG.

Jun 2018 - Dec 2018 | Querétaro, MX

- At General Electric's Business & General Aviation (BGA) Power Software team, I develop and test critical software for Aviation Power products. I have high responsibility in the development and in the documentation of the features and interactions with other systems.

### GE AVIATION | SW EDISON ENGINEERING DEVELOPMENT PROGRAM

Jun 2016 - May 2018 | Querétaro, MX

- EEDP is an intensive program for people who have a passion for technology, a drive for technical excellence, and share in GE's core values. It is designed to accelerate participants' professional development through intense technical training.
- 1st rotation at GEIQ-BGA software validation & verification team
- 2nd rotation at GEIQ-N&G tools team
- 3rd and 4th rotations at GEIQ-BGA software development team

### GE POWER | SOFTWARE EID INTERN

May 2015 - May 2016 | Querétaro, MX

- Support and improve engineering projects and activities.
- Worked on the analysis and optimization of +20 wind turbines for every GE wind farm worldwide.

## RESEARCH

### MACROPHOTOSCIENCE RESEACH GROUP | MSc STUDENT

Jan 2019 - Dec 2020 | Nuevo León, MX

Worked with **Phd. Alan Aguirre** and **Phd. Dora Medina** to determine the electro-spinnability of various polymer solutions for the fabrication of carbon nano-wires.

## AWARDS

May 2018    top 4%    Software EEDP graduate at GE Aviation

Aug 2015    1<sup>st</sup>/100    GE 9th Lean Challenge

Nov 2014    1<sup>st</sup>/50    GEIQ's Robotics Project

## PUBLICATIONS

- [1] Saeed Beigi-boroujeni, Osamu Katagiri-tanaka, Braulio Cardenas-benitez, O Sergio, and Alan Aguirre-soto. Pyrolytic Carbon from Novolac Epoxy Resin Compressed before Photocrosslinking and Pyrolysis. *Materials Today: Proceedings*, 2020.