

Osamu Katagiri

Last Updated on 9th November 2020

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EDUCATION

TECNOLÓGICO DE MONTERREY

MSC IN NANOTECHNOLOGY

Jan 2019 - Dec 2020 | Estado de México, MX

TECNOLÓGICO DE MONTERREY

BS IN DIGITAL SYSTEMS AND ROBOTICS

Aug 2012 - May 2016 | Querétaro, MX
Cum. GPA: 3.6 / 4.0

LINKS

Github:// [katagirimx](#)

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

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

COURSEWORK

GRADUATE

Thermodynamics of Materials

Nano-structured 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 • \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 2019 | Querétaro, MX

- At General Electric's Business & General Aviation 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

June 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.

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-spunability 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 st /1000	GE 9th Lean Challenge
Nov 2014	1 st /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.