

# Eduardo Hernández Valdez

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## EDUCATION

**Instituto Tecnológico y de Estudios Superiores de Monterrey**

*B.Sc. in Electrical and Electronics Engineering; 90.26*

Monterrey, México

*Summer 2026 (Expected)*

**PrepaTec Eugenio Garza Lagüera**

*High School Diploma; GPA: 97.03/100*

Monterrey, México

*Sep 2014 – Jun 2018*

## RESEARCH EXPERIENCE

**VantTec - Autonomous Vehicle**

*Embedded and Electronics Research and Development Intern*

Monterrey, México

*Jan 2023 – Present*

**VantTec - Autonomous Boat**

*Perception Research and Development Intern*

Monterrey, México

*Aug 2022 – Present*

## WORK EXPERIENCE

**Freelancing**

*General Purpose Programming – <https://www.fiverr.com/eduarch42>*

Remote

*Intermittent Summers*

- Developed solutions for clients in various fields, including but not limited to:
  - \* Data Science
  - \* Backend Development
  - \* GUI Desktop Applications
- 4.9 stars rating
- Worked with clients from all around the world, including countries like the United States, Canada, the United Kingdom, Australia, Sweden, Germany, etc.

## AWARDS & ACHIEVEMENTS

**HackMTY 2022 Hackathon** – 1<sup>st</sup> Place in Chubb's sponsored challenge

**Kocaeli Science High School Salutatorian Award:** Graduated as the second-highest ranked student in my class.

## PROJECTS

**Filters and Fractals** | [GitHub](#)

- A C project which implements a variety of image processing operations that manipulate the size, filter, brightness, contrast, saturation, and other properties of PPM images from scratch.
- Added recursive fractal generation functions to model popular fractals including Mandelbrot set, Julia set, Koch curve, Barnsley fern, and Sierpinski triangle in PPM format.

## SKILLS

**Programming:** Python (Proficient), Go (Proficient), C (Intermediate), C++ (Beginner)

**Technologies:** Git, Arduino, ROS, Simulink, LTspice, Xilinx ISE

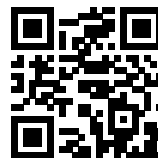
**Languages:** Spanish (Native), English (Professional), German (Elementary)



LinkedIn



Github



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