Eduardo Hernández Valdez

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EDUCATION

Instituto Tecnológico y de Estudios Superiores de Monterrey Monterrey, México
*B.Sc. in Electrical and Electronics Engineering; **90.26*** *Summer 2026 (Expected)*

PrepaTec Eugenio Garza Lagüera Monterrey, México
*High School Diploma; **GPA: 97.03/100*** *Sep 2014 – Jun 2018*

RESEARCH EXPERIENCE

VantTec - Autonomous Vehicle Monterrey, México
Embedded and Electronics Research and Development Intern *Jan 2023 – Present*
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VantTec - Autonomous Boat Monterrey, México
Perception Research and Development Intern *Aug 2022 – Present*
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WORK EXPERIENCE

Freelancing Remote
General Purpose Programming – https://www.fiverr.com/eduarch42 *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 – 1st 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 PDF