



# Kenya Hermila Vega Jimenez

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METALLURGY AND MATERIALS ENGINEER

## ABOUT ME

University student in Metallurgical and Materials Engineering (July 2024). Interested in innovation and development of materials used in the industry.

## SKILLS, LANGUAGES AND CERTIFICATIONS

- Adaptability
- Creativity
- Teamwork
- Leadership skills
- Work under pressure
- Emotional intelligence
- Multitasking
- Work ethic.
  
- English (B2)
- French (A1)
  
- White Belt Certification
- Yellow Belt Certification
- Green Belt Certification
- Black Belt Certification
- DC-3 Certification in ISO 9001-2015

## EXTRA

- Valid passport (2032).
- Valid driver's licence.
- Willing to relocate.

## EXPERIENCE

### Beneficiary of "Beca de Estimulo Institucional de Formación de Investigadores" (BEIFI):

In "Centro de Investigación e Innovación Tecnológica" (CIITEC) belonging to IPN, with the next projects:

- Cyclic oxidation of a MCrAlY-Inconel 708 thermal barrier manufactured using HVOF (August-December 2022).
- Cobalt-based coatings for high temperature resistance applications (February-June 2023).
- Inorganic membranes based on high entropy oxides for the simultaneous separation of CO<sub>2</sub> and O<sub>2</sub> (February-June 2024).

### Social Service:

In a project about composite materials in "Escuela Superior de Ingeniería Química e Industrias Extractivas" (November 2023-June 2024):

- Investigation of properties in metallic/ceramic composites (Cu+Ce<sub>2</sub>O<sub>3</sub>)"

## EDUCATION

**IPN- Escuela Superior de Ingeniería Química e Industrias Extractivas (ESIQIE).  
Metallurgy and Materials Engineering (2019- To present).**  
Final Average 8.73

**Centro de Bachillerato Tecnológico Industrial y de Servicios No. 83 "Pedro María Anaya" (CBTis 83).  
Programming Technician (2015-2018).** Final Average 9.1

### Contests and certifications.

- 1st place in "Feria de Prototipos 2018" in Software Development with project "Calculadora de Vectores" and in Physics Contest (2018).
- 1st place in Chemical Contest (2016 y 2018).
- Experience with MS office programs (Word, Excel, PowerPoint)- Certification (2016-2018).

**Universidad Autónoma del Estado de Hidalgo  
(Instituto de Ciencias de la Salud- ICSa)**

**CPR Certification (2018)**