

# Ana Acosta

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Ciudad de México, México

**Programming languages and relevant**

**skills: C, Java, Python, ScikitLearn, spaCy, JavaScript, jQuery, MySQL, MongoDB, Git, Nodejs, express.**

## EDUCATION

**Escuela Superior de Cómputo - IPN** (2020 - Present)

7<sup>th</sup> semester.

Bachelor of Computer Science.

**Relevant coursework:** Data structures, Analysis and design of algorithms, Webdevelopment, Data bases, Artificial intelligence, Machine Learning, Cryptography, Natural Language Processing.

## KEY SKILLS

- Familiarity with machine learning concepts and experience with implementing models
- Strong **problem-solving** and analytical skills
- **Team Player:** Collaborates effectively and efficiently with others in deadline-driven environments
- **Languages:** Spanish as first language, able to speak and write English fluently, currently studying Mandarin.

## WORK EXPERIENCE

- IBM intern (June 2022 – Present)
  - Internal development and testing of business model applications.

## PERSONAL PROJECTS

- **Building machine learning models**
  - Recognizer of handwritten numbers using neural networks.
  - Using agglomerative clustering to visualize relationships between people and products.
- **Political ideology detection in Spanish texts**
  - Implemented an automatic document classification task on clusters of texts.
  - Extraction of the self-assigned gender and profession as demographic traits, and the political ideology as a psychographic trait from a set of texts written in Spanish from several authors that share those traits.
  - Multi-class classification.
- **Detection of Aggressive and Violent Incidents from Social Media in Spanish**
  - Development of multimodal methods able to classify tweets as reporting a violent event or not.
  - Detection of violent incidents on Twitter using images and text.

## VOLUNTEER WORK

- **Online community moderator**, Xiaomi - MiCommunity (2019 – Present)
  - Resolution of questions related to Android device software with MIUI customization layer.
  - Post of articles about tips and technology news.
  - Development of dynamics in the digital forum.
- **Robotics Club Teacher Assistant**, Club de Robótica CECyT 9 (2017 – 2019)
  - Teaching and advice on topics in the field of basic programming robotics-oriented microcontrollers.
  - Planning and development of activities according to the needs of the students in the he electronics and programming area.

## LEADERSHIP AND AWARDS

- **President of the robotics club, CECyT 9. (2016-2018)**
- **Awarded as Moderator of the year for the Mexico region in Xiaomi Mi Community. (2019)**
- **Awarded and recognized in multiple robotics competitions. (2016-2018)**