

# Ramiro Garza

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## EDUCATION

### Tecnológico de Monterrey

*Computer Science, B.S. in Computer Science and Technology*

Monterrey, Mexico

Aug. 2022 – May 2026

## EXPERIENCE

### SWE Career Prep Fellow - Uber

Feb. 2024 – Present

- Selected as a fellow for the 2024 cohort, with a 4% acceptance rate.
- Collaborating with industry mentors, gaining insights and guidance tailored to achieving professional milestones and enhancing technical competencies.
- Actively engaging in workshops focused on enhancing technical knowledge, professional skills, and insight.

### Student Ambassador - Microsoft

Jan. 2024 – Present

- Represented Microsoft as a Student Ambassador, promoting Microsoft products and technologies within the university community, underwent training on AI and machine learning path.

### President - FronTec

Nov. 2022 – Present

- Founded a student council focused on front-end web development.
- Developed, conducted, and promoted a variety of extracurricular programs for students and campus teachers.
- Established and maintained a conducive environment for student learning and integration with different careers.
- Currently developing a learning hub with a group of 5 students to ensure consistent growth with CSSBattles and create a roadmap for students to follow and log.

## PROJECTS

### LegalAid - MLH Hackathon Winner (HackHarvard 2023) *Node.js, Python, Google Cloud, React, ChakraUI*

- Winner of the Best Google Cloud Project at HackHarvard 2023, a Harvard University hackathon with 700+ participants.
- Engineered a customized Google Cloud PaLM model for legal assistance, integrating Kubernetes Vector Search for fast legal information retrieval, using Python and Flask for backend infrastructure.
- Implemented secure user authentication and a responsive chatbot powered by Google Vertex AI.
- Utilized Google Vertex AI to develop classification models for legal recommendations.
- Crafted an intuitive and user-friendly frontend using JavaScript, React, ChakraUI, and Node.js.

### EmergencIA - MLH Hackathon Winner (HackMTY 2023) *Node.js, Python, Google Cloud, WebSocket, NLP*

- Secured 2nd place overall at HackMTY 2023, Latin America's largest student hackathon with 500+ participants.
- Engineered and automated an emergency call system utilizing natural language understanding and analysis to redirect 911 calls during operator busy periods, efficiently answering, interpreting, and providing authorities a dynamic visualization of current cases, developing 100% of the project's back-end
- Established WebSocket connections with Twilio and Google Cloud Speech API for accurate real-time audio transcription.
- Implemented AI NLP pipelines for caller information extraction and incident analysis, extracting call details and risk using zero-shot classification.
- Developed custom APIs for seamless communication between Node.js and Python components.

### DropNot - MLH Hackathon Winner (HackMTY 2022)

*React Native, Figma, IoT, Firebase*

- Clinched 1st place overall at HackMTY 2022, Latin America's largest student hackathon with 400+ participants.
- Designed and developed a mobile application with React Native Expo aimed at promoting water conservation awareness.
- Successfully deployed a real-time water quantity data visualization system, seamlessly integrated with Google Firebase through IoT technology.
- Led and managed the team to ensure efficient project execution.

## TECHNICAL SKILLS

**Languages:** Python, C/C++, SQL (MySQL), JavaScript, HTML/CSS, R

**Frameworks:** React, Node.js, Flask, WordPress, Material-UI, Tailwind CSS

**Developer Tools:** Git, Docker, Ngrok, Google Cloud Platform, VS Code

**Libraries:** TensorFlow, NumPy, Matplotlib, Scikit-learn, Formik, Nivo Charts