

Mateo Bernasconi Vargas

github.com/mateobv07 | bernasconivargas.mateo@gmail.com | +52 33 1605 8065
mateo-portfolio.com

EDUCATION

Instituto Tecnológico de Estudios Superiores de Monterrey

B.S. in Computer Science and Technology

Aug. 2021 – June 2025 (Expected)

Guadalajara, MX

GPA: 97/100

WORK EXPERIENCE

Google | STEP Intern

June 2023 – Sept. 2023

Part of an internal tooling team within google core at the Atlanta office

- Created a Pub/Sub topic enabling the broadcasting of rollbacks that met specific criteria within Google's code base, complemented by an **RPC** endpoint to proactively inform opted in teams of potential issues
- Coded **SQL** queries to automatically detect, track and visualize degradation with team's code findings
- Implemented a feature using **C++** to help users understand and test their configurations when onboarding with the team's tools

Intel | Application Developer Intern

Oct. 2022 – June 2023

Part of the Input Output Margin Tool team at the Guadalajara office

- Identified and fixed numerous front-end UI bugs within the team's **Angular** based application, leading to a better user experience and enhanced usability
- Used the **Cypress** Javascript front-end testing tool to code more than 40 automated end to end tests used for continuous integration
- Collaborated with team members using version control systems such as Git and Jira

Aporia Education | Online Course Provider Web App

Feb. 2022 – April 2022

Worked with two other developers to build a web app for a local education startup

- Used the **Vue.js** javascript framework to create a responsive front-end
- Improved catalog page loading time by implementing paginated scroll
- Created admin and teacher statistics panel using **chart.js**
- Used **Axios** for **REST API** calls and added payment processing with Stripe

PROJECTS

Real Time Chat Web App

July 2023 – Current

Developed a discord clone full-stack web app

- Implemented real-time chat utilizing **Django** and Django Channels to handle **Web Sockets**
- Used **React** in conjunction with Material-UI to design and implement a user-friendly and responsive front-end interface, enhancing the application's visual appeal and user experience
- Created an API using the Django Rest Framework that includes **JWT authentication** handling and used Swagger with drf-spectacular to document it

E-commerce Web App

Sept. 2021 – Nov. 2021

*Developed a fully functional website using the **Django Python** based web framework*

- Built front-end with **Bootstrap** and used PayPal API for payment processing
- Stored products and stock in a **PostgreSQL** database and allowed users to browse and search items
- Implemented user authentication with email verification and forgot password
- Created add to cart functionality that saves items in their account

TECHNICAL SKILLS

Programming Languages: Python, C++, JavaScript, SQL, HTML/CSS

Frameworks/Technologies: React, Django, Express.js, Vue.js, Matlab, Bootstrap

Development Tools: Git, GitHub, VSCode