Aldo Navarrete

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EDUCATION

- **School of Engineering, National Autonomous University of Mexico** Mexico City, MEX
  Bachelor's degree in Computer Engineering; GPA: 3.6 *Aug 2019 - May 2024*

  Relevant Courses: Operating Systems, Structures and Algorithms, Probability and Statistics.
  Member of the 1st generation of the Competitive Programming Club from August 2021 to August 2022.

SKILLS SUMMARY

- **Programming Languages**: C (2 years), Python (2 years) C++ (1 year)
- **Familiar with:**: Objective C, SQL, Javascript, Swift, HTML, CSS, NodeJS, Unix scripting.
- **Tools**: GIT, XCode, Visual Studio Code.
- **Languages**: English (C2), Spanish (Native).

EXPERIENCE

- **Meta Inc.** Menlo Park, CA
  Software Engineer Intern on WhatsApp iOS Platforms *June 2022 - Sep 2022*
  - **Crash Events Logs System**: Critical/Crash Logs Events is a logically centralized system to manage non-crashing events and unexpected behavior on the WhatsApp iOS Client. Refactored the JSON Schema and structure of the events and modularized the usage of these events within the codebase, which led to have no more merge conflicts for engineers and solved server overload issues.
  - **Structure Refactoring**: Worked on upgrade current structures of Critical Events using Objective C and Swift. Proposed some new properties to keep a more complete analyis for Critical Events.
  - **Server dynamic override**: Implemented server side override to dinamically update logs sampling rate values for the events, this lowed storage quota on servers and solved server overloads due to high ocurrence events.
  - **CLI framework**: Developed an internal command line interface tool which provides a set of commands to create, update and delete specific events within the WhatsApp iOS codebase using Python. This internal tool collected and generated Critical Events. In turn this facilited engineers to handle their events.
  - **Task Monitoring System**: Updated a monitoring service which is responsible for assigning tasks to track near to expire events from engineers at WhatsApp. Added support for oncall team ownership.
  - **XFN Communication**: Contributed with Cross Functional Teams at WhatsApp regarding their Critical Events and communicated if expired events should have been uploading logs to servers. Created a Wiki in order to demonstrate how Critical Events worked as well as posts on internal facebook workgroups (Workplace).
  - **WhatsApp Intern Fair Project Presentation**: Participated in the internal fair where workers show new features and projects worked on during the most recent quarter of the year. Presented developed project and impact on software engineers as an internal tool to XFN and co-workers from Instagram and Meta.

PROJECTS

- **Weather App (Command Line Interface)**: Developed a Implemented a console app that fetches data the from Mapbox and OpenWeather API making use of NodeJS.
- **Coffee Shop Rest Service (Application Programming Interface)**: Developed a Web Service using NodeJS to make requests and fetch restaurant data stored in MongoDB as non-relational database and developed with Oriented Object Programming paradigm.
- **COVID Tracker Website (Web Application)**: Developed a React Web Application implementing ReactHooks to extract real time information from COVID Mathdro API and show partners data and information about infected and recovered people statistics all around the world.
- **Sorting Algorithms Program (Application)**: Implemented sorting algorithms to compare their execution times from all of them using large datasets.

HONORS AND AWARDS

- Qualified to ACM ICPC Regionals on May 2022.

- Participated at Google Contest at UNAM on 2021.

- Participated at IEEE international coding competition.