Marc Reniel Bernardino

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OVERVIEW

- Bright and outgoing student aspiring to be a Software Engineer. Passionate about Web Development, Artificial Intelligence, Machine Learning, and Blockchain Technology. Experienced with Front-end web development and programming in JavaScript, TypeScript and Python. Currently learning Java and Dart.

EDUCATION

Stanford University | Stanford, CA
Declaring Bachelor of Science in Computer Science   *Enrolling September 2023*

Northside College Preparatory High School | Chicago, IL
High School Diploma | GPA: 3.98 Unweighted / 5.14 Weighted   *September 2019 – Present*
- **Relevant Coursework**: Multivariable Calculus, AP Computer Science A, AP Physics I, AP Chinese
- **Activities and Societies**: Co-founder of NCP Blockchain Technology Club, Webmaster for NCP Student Council, JavaScript Captain for 404: Club Not Found, Axiom 4787 Robotics, Computer Science Honors Society

WORK EXPERIENCE

Fermi National Accelerator Laboratory (Fermilab)
TARGET Program Intern   *June 2022 – August 2022*
- Constructed and implemented a Neural Network overlay for PYNQ-Z2's FPGA (Field Programmable Gate Array) with Xilinx Vivado and Hardware Description Language.
- Utilized Python with hls4ml and our NN overlay to develop a Computer Vision demonstrator for PYNQ-Z2 that can recognize and classify Pokémon cards, then output the result to a display.
- Delivered presentations on our Computer Vision demonstrator to Fermilab employees and at the University of Chicago.

Prospect Airport Services
Passenger Service Assistant   *March 2022 – July 2022*
- Handled various types of baggage at the check-in desk on behalf of various airline partners.
- Answered general passenger questions at the Customer Server desk.
- Provided wheelchair assistance for elderly and disabled persons.
- Supervised and transported Unaccompanied Minors.

Chinese Mutual Aid Association
Playstreets Intern   *July 2021 – August 2021*
- Developed and instructed lesson plans for children related to physical education.
- Provided academic tutoring for children surrounding the Argyle and Uptown community.
- Supervised children throughout the day, ensuring their safety and well-being.

PROJECTS

Personal Website (notmarc.me) | *JavaScript, Next, Tailwind*   *September 2021 – Present*
- Developed a website that showcases my personal portfolio of projects, as well as my blog and contact information.
- Utilized React and Tailwind to design the frontend, and used JavaScript to create component animations.

Maple | *JavaScript, Axios, React, Framework7*   *March 2022 – Present*
- Developed an all-in-one webapp for Chicago Public School students that integrates various APIs (Aspen, CTA).
- Utilized Axios to create REST APIs to request and send data and used Framework7 and React to create the frontend.

Headphones Music | *JavaScript, Distube, discord.js*   *August 2022 – September 2022*
- Developed a Discord Bot that can fetch music from YouTube, Spotify, etc., and play it on server Voice Channels.
- Utilized discord.js to interact with Discord API and Distube to fetch and play music, as well as various commands.