

Marc Reniel Bernardino

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OVERVIEW

- Outgoing student aspiring to be a Software Engineer. Passionate about Web Development, Artificial Intelligence, and Blockchain Technology. Open to research and internship opportunities in Computer and Data Science.

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)

Scientific Computing Division 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 interacts with a Neural Network 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; Project was incorporated into Fermilab's hls4ml Demo Lab at DEFCON 30.

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.
- Provided wheelchair assistance for elderly and disabled persons and gate escort for unaccompanied minors.
- Answered general passenger questions at the Customer Service desk.

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

notmarc.me (Personal Portfolio) | TypeScript, Next, Tailwind, Framer Motion

- Developed a website that showcases my personal portfolio of projects, as well as my contact information.
- Utilized Tailwind to design the frontend and responsive design with Framer Motion for component animations.

Maple | JavaScript, React, Axios, Framework7

- 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 w/React to create the frontend.

Shorten Ninja | JavaScript, MongoDB, Express, Mongoose

- Developed a website that takes URL links and shortens them to create readable and sharable URL links.
- Utilized MongoDB to store shortened URL information, and used Express to create an API connecting MongoDB.

TECHNICAL SKILLS

- Languages:** JavaScript, TypeScript, HTML, CSS, Java, Python
- Technologies:** Node.js, Git, React, Express, MongoDB, NumPy

ADDITIONAL EXPERIENCE

- Election Judge – Chicago Board of Election Commissioners, Chicago, IL
- Food Packing Volunteer – Feed my Starving Children, Schaumburg, IL