

Pablo Medina Lara

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EDUCATION

University of Toronto – Faculty of Applied Science and Engineering

Toronto, ON

Bachelor of Applied Science, Computer Engineering, 4th Year

Class of 2023

- **Cumulative GPA:** 3.4 / 4.0
- **Scholastic Awards:** Dean's List Scholar, National Honors Society Scholar, IB Diploma
- **Relevant Grades:** Depends on Job
- **Minors:** Physics, Artificial Intelligence

PROFESSIONAL EXPERIENCE

Tenstorrent Inc

Toronto, ON

PEY Digital Design Engineer

May 2022 - Sept 2023

- Designed, tested, and implemented solo dev ops project to manage resources used by 2 main Tenstorrent offices in Toronto and Austin
- Diagnosed and solved issue found between the project and licensed IP involving communicating with Vendor and adapting existing hardware to meet a different communication standard
- Created and verified different components for the main chip in development that were implemented in final design

Neuroscience Research

Toronto, ON

Computational Neuroscience Research Project

September 2021 - Present

- Conducting experiment on neuronal diversity, epilepsy, and information coding with Scott Rich at the Krembil Brain Institute
- Writing Python code to generate a neuron model that will be optimized to replicate experimental data and explore effect of neural diversity

EXTRACURRICULAR ACTIVITIES & PROJECTS

Group Chatting Project

Toronto, ON

TCP software in C

November 2021 - December 2021

- Group messaging program using TCP protocol and C networking libraries. Includes command parsing, data encapsulation and serialization on the client side, and deserialization, user database maintenance, and timing on the server side.

GIS Project

Toronto, ON

Mapping Software in C++

January 2021 - April 2021

- Graphical City Mapping Program utilizing open source data through APIs, live website data, and graphical interface libraries to parse and print out geographical information of cities.

IB Diploma

Mendham, NJ

2 Year Paper, Community Service Project

September 2017 - June 2019

- Conducted extensive research to write a psychology paper.
- Awarded by the county's psychology association and invited to present.
- Worked on a year long project visiting a resident at a nursing home to document and present him a story of his life.
- Worked on visiting and tutoring young kids while developing communication skills.

West Morris Mendham Minutemen Marching Band

Mendham, NJ

Saxophone Section Leader

September 2015 - June 2019

- Appointed saxophone section leader in the marching band.
- Developed strong leadership skills through teaching, mentoring, and organized the section consisting of 6 members.
- Developed organizational and time management skills by helping with planning events and meets of the band.

ADDITIONAL INFORMATION

Technical Skills: C++, C, System Verilog, Assembly, FBGAs, Python, MATLAB, Python, Neuron, PyTorch, Bash, Unix, Git

Skills: Leadership, Socialization, Efficient Learning, Commitment, Adaptability

Languages: English, Spanish, Latin

Interests: Computer Hardware, Software Development, Artificial Intelligence, Quantum Physics, Neuroscience, Linguistics