

Taranveer Singh Pabla

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Education

Hofstra University, Fred DeMatteis School of Engineering and Applied Science

B.S in Computer Science, Minor in General Business

Major GPA: **3.67/4.00** | Cumulative GPA: **3.60/4.00**

Dean's List: Fall 2018, Fall 2019, Fall 2020, Spring 2021 | **Provost's List:** Spring 2020

Hempstead, NY

Expected Graduation: May 2022

Professional Experience

New York City Transit Authority

Software Developer Intern

Remote

June 2021 - Present

- Developed and launched a full stack web application using ReactJS, ExpressJs, and NodeJS used by 10k+ users.
- Created a new database architecture using ReThinkDB improving update speed from 1 min to realtime updates.
- Proposed product infrastructure ideas to build a reliable app with high performance to reduce train delay times.
- Effectively communicated problems to upper management and delivered results in a goal-oriented environment.

Hofstra University

Assistant Instructor

Hempstead, New York

March 2019 - Present

- Teach students in grades 5-12 the fundamentals of coding and software development using Python 3.
- Teach students UNIX commands in a Kali Linux VM along with cybersecurity concepts and network security.
- Assist students when problems arise in their assignments and communicate student progress to the instructor.

Druproid Support

Web Development Intern

Remote

October 2020 - January 2021

- Built web apps by using PHP/HTML5/CSS3/JavaScript with cross-browser compatibility requirements.
- Develop and validate test routines to ensure that delivered code meets the provided use case and is compatible with various devices and browsers, improving QA efficiency by 50%.
- Implement design specs accurately and document all changes made to the project manager and the project team.

Micro Center

Sales Associate

Westbury, New York

October 2018 - January 2019

- Driving \$100k in weekly sales through repeat business and consultative solution selling.
- Create product solutions based on customer needs while reducing waiting time by 30% in a 4 month period.

Project Experience

Random Restaurant Picker

March 2021 - May 2021

- Developed a full-stack web application to pick a restaurant when going out to eat by teaching myself SvelteJS/Bootstrap and implemented a randomizing algorithm to pick restaurants.
- Expanded features based on direct user feedback and deployed production-ready code used by 100+ users.

Tic-Tac-Toe Game with Artificial Intelligence

June 2020 - August 2020

- Developed a Tic-Tac-Toe board with a single and multiplayer mode and implemented the AI algorithm for a single-player mode which attempts to beat the user.
- Created the frontend user interface and AI algorithm with Microsoft Visual Basic.

Stock Analyzer

April 2019 - June 2019

- Developed a stock analyzer script using Java and implemented the Yahoo Finance API to get the current stock price of companies via ticker/stock symbols.
- Analyzed stocks to determine highest priced stock and performed backtracking to find highest potential profit.

The Smart Bathtub

June 2017 - June 2018

- Developed a smart bathtub system using Python 2 running on a Raspberry Pi 3 to provide users with a convenient way to bathe with their desired bathing temperature easily and efficiently.
- Semifinalist in Junior Science and Humanities Symposium and received Honors Award in the Senior Division at Long Island Science Congress.