

# Taranveer Singh Pabla

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## Experience

### **Druproid Support - Remote**

Remote

Web Development Intern

October 2020 - Present

- Build web apps by using PHP/HTML5/CSS3/JavaScript with cross-browser compatibility requirements
- Develop and validate test routines to ensure that the delivered code meets the provided use case and is compatible with all types of devices and browsers

### **Hofstra University**

Hempstead, New York

Assistant Instructor

March 2019 - Present

- Teach students in grade 9-12 the fundamental concepts of cybersecurity, architectures, and processes related to computer and network security using Kali Linux and Wireshark.
- Teach students in grades 5-12 the basics of coding and software development using Python 3.

### **Micro Center**

Westbury, New York

Retail Sales Associate

October 2018 - January 2019

- Present credible product solutions based on customers' needs; build repeat business through consultative solution selling and customer satisfaction.
- Maintain product knowledge and perform merchandising activities such as processing freight, creating displays and end caps and maintaining visual merchandising standards within my area of responsibility.

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## Projects

### **Tic-Tac-Toe Game with Artificial Intelligence**

2020

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

### **Stock Analyzer**

2019

- Developed a stock analyzer script with Java
- Implemented the Yahoo Finance API to get the current stock price of companies via their ticker symbols
- Analyzed the stocks to determine the highest priced stock

### **The Smart Bathtub**

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.
- Achieved Honors Award in the Senior Division at Long Island Science Congress.

### **The Effectiveness of Metallic Salt Based Antiperspirants at Reducing Underarm Moisture**

2017

- Developed a program using Python 2, to measure the effectiveness of different antiperspirants using a humidity and temperature sensor on a Raspberry Pi 3.
- Achieved a High Honor Roll award at Long Island Science Congress

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## Technical Skills

- **Programming Skills** Python, Java, C++, HTML, JavaScript, CSS, Visual Basic
- **Frameworks and Tools** Visual Studio Code, Git, IntelliJ IDEA, Visual Studio, Vim, LaTeX
- **Operating Systems** Linux, Windows, Mac OS

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## Education

### **Bachelor of Science in Computer Science**

Hofstra University, Hempstead NY

Expected Graduation: May 2022

3.64 Department GPA / 3.58 Overall GPA

**Coursework:** Software Engineering, Operating Systems, Systems Programming, Assembly Programming