Phillip Ivanov

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Profile Statement

Highly motivated Electrical Engineering major with strong leadership skills and customer service experience. Excellence driven and adept at working in fast paced environments, troubleshooting issues, and collaborating with a diverse team to complete projects. Seeking an internship for the Summer of 2024 that lets me explore the world of Electrical Engineering.

Education

Georgia Institute of Technology | Atlanta, GA *August 2023 – May 2026*
Bachelor of Science in Electrical Engineering GPA: 4.00
Faculty Honors Fall 2023

Relevant Coursework: Digital System Design, Linear Algebra, Intro to Signal Processing, Programming for HW/SW Systems, Multivariable Calculus

Experience

HyTech FSAE Electric Race Car Team Engineer | Georgia Tech, Atlanta, GA *August 2023 - Present*
My university's Formula SAE Electric Race Car Team which develops a new car every year for the annual FSAE Electric competition.

- Manufactured multiple components which required wire manipulation and both SMD and through hole soldering.
- Performed battery cell, switch, diode, and other electronic devices research to meet specific application requirements.
- Created parts in Autodesk Eagle based on datasheet descriptions and integrated them into current board designs.

Deli-Associate | Jewel Osco, Lake Zurich IL *June 2023 – July 2023*
Local supermarket chain delivering quality groceries and exceptional service.

- Interacted with customers in a friendly and professional manner by taking orders and providing product information.
- Underwent rapid training and served a constant flow of customers in a department at only 40% of recommended staffing.
- Maintained rigid hygiene standards and ensured workplace cleanliness while working with slicers and kitchen equipment.

Projects

HyTech New Member Keychain Project | HyTech FSAE Electric Race Car Team *August 2023 – November 2023*
Designed a blinking LED PCB as a new member project with the assistance of HyTech Team leads.

- Developed appropriate Autodesk Eagle circuit schematic and board based on device datasheets and desired final function.
- Soldered final components to the PCB using both reflow and hand SMD soldering.

Predicting Chicago Crime Using Environmental Variables | Northwestern University *June 2022 – October 2022*
Researcher | Department of Mechanical Engineering
Developed a machine learning project as part of a larger Mechanistic Data Science course under the oversight of a PhD student.

- Worked on developing a Python based neural network to predict Chicago crime variability by using weather variables.
- Collected and organized over 20 years of open-source crime, weather, and astrological data.
- Presented research to the Wing Kam Liu group at Northwestern and at a high school research symposium.

Leadership

Committee Director | Catalyst *August 2022 – May 2023*

- Directed and managed a 10-person committee at my school anti-substance use club.
- Lead the creation of a new internal substance data sheet, supported the club wide drug abstinence recognition campaign, and assisted with other club organizational and ad hoc tasks.

Skills

Programming: Python, Java, C, MIPS Assembly, MATLAB.
Software: Autodesk Eagle, MS Office, GitHub, Linux.
Communication: Research posters and documentation, presentations for small to medium audiences.
Languages: English (native), Russian (fluent), Spanish (beginner).
Activities/Hobbies: Wrestling, Sailing, Brazilian Jiu Jitsu, Fencing, Skiing, Hiking, Reading.