Andrii Prykhodko

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647-286-5902
Website | LinkedIn

Skills

Programming : Python, Java, Java script, Matlab, HTML/CSS, C++

Electronics: Microcontrollers, Sensors, Electric circuits,CANBUS

Databases/Software: Git, Solidworks, Webots, VS Code, Intellij, PyCharm, Jupyter notebook, Matlab, GrabCad, Arduino IDE

Soft skills: Communication, Collaboration, Adaptivity, Critical Thinking, Creativity, Persistence

Experience

Mechatronics developer | MPI Solutions   April 2024 – August 2024

- Cake Decorator Robot: Programmed a robot using URScript and Polyscope, created a custom interface in Java
- Pattern Recognition: Analyzed data flow using Python, Stumpy, Pandas, Matplotlib, and Numpy.
- Project Management Automation: Automated tasks with Google Apps Script and APIs.
- CorelDraw automation: Built an app for automating lamacoid design using Python and CorelAPI.

President | WeBots | UWO robotics club   September 2022 – Present

- Lead a team of 40 people to create an autonomous walking robot
- Simulated motor movement in Webots software
- Programmed motor controls for simulation and prototypes
- Designed neural network based on motor and sensor outputs

Mechanical engineer | WeMars | UWO club   October 2022 – May 2022

- Designed rover hubs, molds, Belly Pan
- Measured, cut, and worked with carbon fiber, aluminum, acrylic sheets
- Assembled rover prototype

Dishwasher | Sweet Onion Bistro   June 2023 – August 2023

Education

BSc. Electrical engineering & Artificial intelligence systems at Western University
2022 – 2026

Junior Specialist Marine Navigational officer at Odessa Nautical College   2017 – 2021