

# Saejoon Park

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## EDUCATION

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**Cornell University** Ithaca, New York May 2028  
Bachelor of Science in Electrical and Computer Engineering  
GPA: 3.87/4.00

**Lake Braddock Secondary School** Fairfax, VA June 2024  
High School Diploma  
W GPA: 4.573/5.00 UW GPA: 3.99/4.00

## SKILLS

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**Programming Languages:** Python, Verilog, Swift, Java, Arduino(C++ dialect)  
**Operating Systems:** Windows 10/11, Raspberry Pi OS, MacOS  
**Software:** Fusion360, Blender, Microsoft Office  
**Languages:** Korean, fluent

## WORK EXPERIENCE

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**Co-Founder/CTO of IBX LLC** Mar 2025 - Now  
• Currently Frontend Developer for project-based LLC

**Chief Operating Officer of Peak Impact** | Ithaca, NY Dec 2024 - Jul 2025  
• Developed and currently manage the website and booking services of a sports mentoring company

## PROJECTS

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**Head Movement Tracking Mouse** | Fairfax, VA Aug 2024  
• Assembled using Arduino microcontroller components, device allows for hands-free mouse tracking  
• Computer Vision allows for hand gesture tracking(simulated clicks/volume control) at 30 fps  
• Programmed using Arduino IDE and Python

**PullUP by IBX iOS App** | Ithaca, NY Mar 2025 - Now  
• Social Media of What People Will Do  
• Developed frontend code

**4K Raspberry Pi Mirrorless Camera** | Fairfax, VA July 2024  
• Developed 12.1MP handheld and wireless photo and video capturing device  
• Implemented a 3D-printed chassis

**Bio-Thermal Electric Generator Powered Mouse** | Fairfax, VA Aug 2023  
• Pioneered Patent Pending hand thermal energy powered computer mouse  
• Implemented TEG Modules and transformers to create a circuit converting 20mV device to 3.3V  
• Development toward alternate LED power source

## ACTIVITIES

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**Cornell Assistive Technologies Project Team** | Ithaca, NY Feb 2025 - Now  
• Developing the Sensory Overload wearable, accommodating individuals with sensory processing disorder

**Chemistry Olympiad (Co-Captain 2023)** | Fairfax, VA 2022 - 2024  
• Mentored USNCO competitors through interaction, instruction, and comprehensive practice problems

## HONORS

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USPTO Provisional Patent for TEG Hot Swap Computer Mouse Fall 2023