

Saejoon Park

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EDUCATION

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

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

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

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

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

USPTO Provisional Patent for TEG Hot Swap Computer Mouse Fall 2023