Jinsoo Park

University of Toronto
Physics
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Education

Queens University
M. Sc., Physics, 2022
Dissertation Advisor: Laura Fissel
Studying Star Formation using Balloon Borne Telescopes

University of Toronto
H. BSc., Physics, 2020

Research Projects

BLAST-TNG 2020-present
Filtering software
Data Analysis

SuperBIT/GigaBIT 2020
Compression algorithms for optimal data transfer
Simulations of pseudo-astronomical images
Data analysis

EDM Cubed 2019
Vacuum chamber design
Electrical circuit design
Instrument debugging

PolyEDM 2018
Magnetic field simulations
Program optimization
Numerical and Analytical methods

Teaching

Teaching Assistant, Queens University
Introductory Physics, 2020-2021

High School Teacher, Abelard School
Computer Science, 2019-2020
Physical Education, 2018-2019

Languages

English (native), Korean (advanced), French (basic)

Programming and Skills

Python, Java, C/C++, Web Development, SQL, LaTeX, AutoCAD

Publications	Lossy Compression Algorithms for Balloon Borne Telescopes *University of Toronto, Senior Undergraduate Thesis*, 2020
Side Projects	Socket Servers, **Python** Tower of Hanoi, **Python** Huffman Compression, **Python** Data Visualizer, **Python** CPU pooling via Remote Connections, **C** Numerical Solver, **C** Photo Renamer, **Java** Personal Website, **HTML5, CSS, JS**