

# William Kim

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## Education

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### NYU Courant

*MS Computer Science (in progress)*

New York, NY

2025–2027

Concentration: Machine Learning, Computer Vision

Relevant Coursework: Operating Systems, Compiler Construction, Database Design, Data Structures and Algorithms

### Columbia University

*BS Applied Physics, 3.46 GPA*

New York, NY

2021–2023

Relevant Coursework: Statistical Mechanics, Probability Theory, Discrete Math, Differential Equations

### Bard College at Simon's Rock

*BA Pre-Engineering, 3.79 GPA*

Great Barrington, MA

2018–2021

Dual Degree Program with Columbia University

Thesis: Gradient descent optimization of bipedal robot gait

## Work Experience

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### Neo Cybernetica

*Robotics Intern*

Bedford, NH

Jul 2025 – Sep 2025

- Designed and tested 7 structural robotics components in Autodesk Fusion, achieving 25% weight reduction while maintaining load tolerances and improving assembly speed.
- Integrated new sensors into dataset-collection pipelines for RL policy training, enabling higher-quality trajectories and reducing training variance.
- Technologies: Python, Rust, ROS2, OpenCV, PyTorch, Docker

### WWC, P.C.

*Project Officer*

New York, NY

Mar 2024 – Aug 2024

- Restructured audit workflows to reduce navigation complexity while preserving regulatory requirements, reducing manual review workload.
- Built custom analysis and modeling tools to automate client-data tests used in audit certification.
- Technologies: Python, SQL, Pandas, NumPy, Excel Automation

### Columbia University Center for Neural Engineering and Computation

*Research Assistant*

New York, NY

May 2023 – Mar 2024

- Conducted research on metasurface-based shape recognition under the supervision of Prof. Nanfang Yu.
- Compiled weekly technical reports documenting experimental results, equipment specifications, and troubleshooting solutions.
- Technologies: Python (NumPy, SciPy, PyTorch), MATLAB

### Pyre Keg LLC

*Intern*

New York, NY

May 2019 – Aug 2019

- Contributed to Columbia student tech startup as member of 3-person engineering team developing web applications.
- Implemented responsive UI components for websites.
- Technologies: Go, Java, Python, JavaScript, React

### G3 Partners

*Intern*

Seoul, Korea

May 2018 – Aug 2018

- Conducted technical evaluation of delta 3D printer prototype, testing print quality, speed, and precision across 50+ test prints.
- Performed competitive analysis of 12 competing products, benchmarking specifications and identifying differentiation opportunities.
- Prepared technical evaluation report with recommendations that informed product development roadmap.

## Skills

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**Programming & Technical:** C, OCaml, Python, Java, MATLAB, SQL, C++, CAD (SolidWorks/Fusion), PyTorch, ROS, Docker, Git

**Languages:** English (Fluent), Korean (Fluent), Spanish (Basic Proficiency)