

Sebastian Levy

Mountain View, CA

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[LinkedIn](#)

Professional Experience

- Apple Inc.** **Sunnyvale, CA**
System Product Design Engineer **September 2025 - Present**
- Part of the Vision Product Group, helping design & validate the next generation of Apple's Vision products.
 - Working within an incubatory research group dedicated to developing potential sensor driven feature expansions.
- Carnegie Mellon University** **Pittsburgh, PA**
Teaching Assistant **August 2024 - May 2025**
- Supported Dr. Kenji Shimada in teaching "Computer Vision for Engineers" and "DIY Design & Fabrication" by assisting with lectures and grading problem sets, providing constructive feedback to enhance learning outcomes.
- Apple Inc.** **Sunnyvale, CA**
Product Design Intern - Vision Products Group **May - August 2024**
- Worked within an incubatory research group developing potential health-focused sensor-driven product expansions.
 - Integrated signal processing and classification through machine learning driven sensing technologies to implement new functionality and expand accessibility for Apple Vision Pro.
- Cadillac Fairview** **Toronto, Canada**
Operations Management Intern **May 2021 - May 2022**
- Adminstrated operations for Cadillac Fairview's Toronto Office Portfolio, performing KPI analysis to ensure >95% operational efficiency by evaluating performance. Facilitated reduction of building emissions by 3% year to year.

Research Experience

- Carnegie Mellon University - Computational Engineering and Robotics Lab** **Pittsburgh, PA**
Research Lead **January 2024 - May 2025**
- Led a team to design and fabricate a dynamic robotic flooring for a golf simulator with accurate terrain replication.
 - Developed and trained a swing segmentation model using computer vision to develop training protocols.
- University of Toronto - Microfluidics and BioMEMS Lab** **Toronto, Canada**
AI/ML Researcher **August 2022 - September 2023**
- Trained a computer vision perception model using TensorFlow to isolate an object, create a 3D point cloud, and predict optimal motion trajectory, enabling automated soft robotic grasping of household objects. [\[paper\]](#)
 - Designed a PyTorch hybrid LSTM/CNN neural network for sEMG signal classification, integrated with ROS2.

Education

- Carnegie Mellon University** **Pittsburgh, PA - May 2025**
Master of Science in Mechanical Engineering **GPA: 4.0/4.0**
Concentration: Robotics & Machine Learning
Relevant Courses: Wearable Health Technologies; Deep Learning for Engineers; ML for Signal Processing; Electromechanical Systems Design; Bio-Inspired Robot Design & Experimentation
- Master of Science in Engineering & Technology Innovation Management (ETIM) **GPA: 3.97/4.0**
Concentration: R&D Technology Management
Relevant Courses: Corporate Venturing, Funding Early Stage Ventures, Managing R&D, Strategy and Management; Innovation Management in Practice;
- University of Toronto** **Toronto, Canada - June 2023**
Honours Bachelor of Applied Science in Mechanical Engineering
Minors: Engineering Business; Robotics and Mechatronics **Dean's Honour List: 2020 - 2023**

Skills

Programming Languages: Advanced - Python, MATLAB; Intermediate - Swift, C++, SQL, R
Software: Siemens NX, TensorFlow, PyTorch, ROS2, Ubuntu, AutoCAD, ANSYS FEA, Eagle PCB Design
Hardware: GD&T, 3D Printing, Arduino, Raspberry Pi, LiDAR, sEMG Sensing, Welding, Mill/Lathe, CNC Machining