

SAMUEL L. SHMIDMAN

Currently Living in Waltham, Massachusetts (United States of America) at Brandeis University
+1-917-756-6955 | SamuelShmidman@gmail.com

Objective:

Passionate Aerospace Engineering and Computer Science student - and extreme Formula One fan - with a strong foundation in 3D printing, PCB design, and programming, seeking a summer internship to work on cutting-edge technology.

Education:

Sophomore at Brandeis University, Waltham, MA

Major: Computer Science. Expected Graduation: May 2027

Goal of pursuing a master's degree in aerospace engineering.

Work Experience:

Brandeis Engineering

Engineering Classroom Technician in Waltham, Massachusetts (USA) | Fall Semester 2023 - Present

Guiding students on creating projects using additive manufacturing working with 3D printers. Maintain 20+ 3D Printers.

The Bonnot Company (Manufacturer of Custom Industrial Machinery)

Summer Intern in Akron, Ohio (USA) | Summer 2024

Worked on all aspects of the manufacturing process in designing, assembling, and testing industrial extruders.

Brandeis Design and Innovation (BDI)

Summer Intern Technician in Waltham, Massachusetts (USA) | Summer 2024

Repaired 40+ 3D Printers to prepare workspaces for the upcoming semester.

Toys "R" Us

Summer Employee at American Dream Flagship Store in USA | Summer 2023

Excelled in dynamic retail environment, performing cashier duties, stock management, and warehouse operations.

Projects:

- Currently in training to obtain a private pilot license
- In process of filing a patent for a universal CNC machine controller with custom firmware
- Developed 3D print Job Generator System for Brandeis MakerLab and Engineering
- Designed and created a PCB for a keyboard macro-controller
- Built custom 3D printer using Ender 3 and custom-designed components
- Developing mobile applications with React Native for iOS

Skills:

- 3D Printing, 3D Design (Fusion360, Solidworks, FreeCAD) & PCB Design (KiCAD)
- Programming (HTML, Java, Python, React Native, JavaScript, C++)
- Electronics and Circuit Design
- Teamwork, Collaboration and Leadership

Interests:

Passionate about F1 Racing, Aerospace Engineering, Computer Programming, DIY projects, 3D printing, PCB design, and coding.