

# Dieter Brehm

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Website: <https://dieterbrehm.com>

Code: <https://github.com/Inkering>

## Education

May 2022 **Olin College of Engineering @ Needham, MA**  
Bachelor of Science in Engineering with a focus in Human Centered Product Design,  
GPA 4.0

- Recipient of 4-year, 50% Olin Merit Scholarship
- Relevant Courses: Affordable Design and Entrepreneurship, Machine Learning, Quantitative Engineering Analysis, , Principles of Engineering, Creativity Practicum, Design Nature, Modeling and Simulation, Products and Markets

June 2017 **Dublin School @ Dublin, NH**  
High School Honors Diploma, GPA 3.87, summa cum laude

Summer 2016 **Worcester Polytechnic Institute @ Worcester, MA**  
Robotics Summer Program to learn new techniques for teaching robotics to students

## Experience

Summer 2020 **School For Poetic Computation @ New York, NY**  
*Education and Accessibility Design Intern*

- Sketch Model Arts + Action Fellow supported by the Mellon Foundation and Olin College of Engineering.

Summer 2019 **Olin College Crowdsourcing and Machine Learning Lab @ Needham, MA**  
*Software Accessibility Researcher*

- Developed iOS apps for vision accessibility using swift 5, Apple's AR Kit, and modern architecture techniques.
- Co-designed with people who are blind and who have low vision

### Olin College of Engineering @ Needham, MA

2018-2019 • **LetsshedIt – A Scheduling Web Application**  
Developed a full-stack web app in a team with Vue, Python, and MariaDB that coordinates student schedules, pulling information from Google Calendar services and optimizing possible meeting times in a multi-user system.

2018-2019 • **Olin Snapshot**  
Full collaboratively made redesign of Olin marketing material in InDesign and Illustrator implemented as a traditionally printed newspaper featuring student stories, art, and perspectives.

### Dubin School @ Dublin, NH

2013-2017 • **High School FRC Robotics Team Captain**  
Taught robotics C++ and Python programming and project management to peers Learned Scrum methodology from Scrum certified project manager

September 2017 **Dublin Community Center @ Dublin, NH**  
*Programming Teacher*

Volunteered at local community center teaching beginner coding program.

## Skills

### Illustration, Design, and CAD

Adobe Suite  
Figma  
SolidWorks  
Fusion 360  
LaTeX

### Programming

Python  
HTML, CSS  
Javascript  
C,C++  
Processing  
Swift  
Mathematica

### Machine Shop

3D printer  
laser cutter  
CNC router