

# Dieter Brehm - Designer

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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 concentration 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 Andrew W. Mellon Foundation and Olin College of Engineering.
- Assisted in online course planning and web accessibility auditing

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

- 2021 • **Data Structures and Algorithms Teacher**  
In a team of 4 developed and ran a fully student-led semester-long college course.
- 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**  
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

## Skills

### Illustration, Design, and CAD

Adobe Suite  
Figma  
SolidWorks  
Fusion 360  
LaTeX  
Inking  
Watercolour

### Programming

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

### Machine Shop

3D printer  
laser cutter  
CNC router