

Dieter Brehm - Designer

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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 3.97

- 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 and Apple's AR Kit.
- Co-designed with people who are blind and who have low vision

Olin College of Engineering @ Needham, MA

2021 • **Data Structures and Algorithms Instructor**

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.

Dublin School @ Dublin, NH

2013-2017 • **High School FRC Robotics Team Captain**

Taught C++, Python programming, and project management to peers. Learned Scrum methodology from Scrum certified project manager.

Skills

Illustration, Design, and CAD

Adobe Suite
Figma
Fusion 360
LaTeX
Inking
Watercolour

Programming

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

Machine Shop

3D printer
laser cutter
CNC router