# 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 2021** — **Verizon Media @** Boston, MA
*Product Design*

- Designed accessible solutions for Yahoo and Verizon Media products
- Managed auditing processes and accessibility compliance

**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.

## 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