

Ellen Marie Reinhard
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EDUCATION

MIT DEPARTMENT OF ARCHITECTURE

Cambridge, MA
2020 - Present

Candidate for Master of Architecture June 2024

- Specializing in sustainability-related courses alongside architecture specific classes and studios using a multitude of software programs for energy performance calculations, carbon emissions reduction, and life cycle assessments
- Team design leadership in developing an ecommerce marketplace for building material supplies in the construction sector

ETH ZURICH: SWISS FEDERAL INSTITUTE OF TECHNOLOGY

Zurich, Switzerland
2015 - 2020

Bachelor of Science in Architecture

- Took architecture-related courses spanning across landscape design, urban planning, real estate, and interior design accommodated with field trips and seminar weeks

PROFESSIONAL EXPERIENCE

THE BORING COMPANY (TBC)

Las Vegas, NV
June-Aug 2022

Architectural Summer Intern

- Led several loop design projects by developing masterplan layouts for tunnel alignments and loop stations for zero-emissions vehicle transportation using Teslas with a total cost of approximately 1 billion USD.
- Set up drawing permits for various projects in collaboration with engineers and in-house lawyers primarily located on the US West Coast
- Crafted the office's first Loop User's Manual for incoming employees at TBC with InDesign and Bluebeam
- Took multiple as-built drawings of completed surface and subsurface loop stations
- Designed visual graphics including site maps, egress hatching, and others as part of TBC's graphics toolkit

HERZOG & DE MEURON

Basel, Switzerland
2019 - 2020

Head Trainee

- In charge of managing and leading 35 interns employed at the architectural office
- Budgeted and scheduled site visits and tours and managing and assigning tasks to all trainees

Architectural Intern

2019 - 2020

- Helped design the winning masterplan proposal for the redevelopment of a large 600,000m² industrial site located in the South of Switzerland with a small team of architects.
- Led the entire interior design process for all academic floors of the new University of Zurich education and research center in Switzerland during schematic design phase
- Made cost estimations for the gastronomic and academic part of the university building to reduce the overall cost of the project that needed to be below 600 million USD.

SWISS ORIENTEERING FEDERATION

Zurich, Switzerland
2011 - 2015

Professional Athlete

- Competed in and won several national and international orienteering medals in various disciplines that were hosted across the globe
- Hosted multiple orienteering training sessions for younger members of the team
- Secured high-profile sponsors to support my two-year full-time professional career

ACADEMIC EXPERIENCE

MIT DEPARTMENT OF ARCHITECTURE

Cambridge, MA
2022 - Present

Teaching Assistant

- Assisting the introductory course on *Net-Zero Buildings* as part of the Building Technology Department
- Supporting and grading student work to develop carbon-free building designs
- Visualizing building technology-related processes via Adobe Suite

Research Assistant

2021 - 2022

- Assisted Prof. C. Reinhart on the Climate-Driven Design handbook at MIT's Sustainable Design Lab
- Successfully secured image rights from multiple sources to be part of the new academic handbook
- Designed new visual graphics and diagrams related to climate-related topics for the handbook

Teaching Assistant

2021 - 2022

- Oversaw a class of 17 students and supporting their individual class projects
- Led software-related class tutorials and workshops for the *Introduction to Analogue Photography and Related Media* course at MIT

SKILLS

• **General:**

Strong at multi-tasking | Creative problem-solving | Detail oriented & highly organized | Cross-disciplinary thinking | Graphic design skills | Multilingual | Communication & self-management skills | Sketching and prototyping methods | Team leadership skill | Research focused approach

• **Software:**

Rhino | Revit | AutoCad | Twinmotion | Microsoft Office | V-Ray | Photoshop | Illustrator | InDesign | After Effects | Media Encoder | Maya | Laser & Zuend Cutting | Bluebeam | Civil3D

• **Languages**

English | German | Swiss German | French | Norwegian | Spanish