

Calvin Zhong

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Education

Massachusetts Institute of Technology

- + Bachelor of Science – Architecture
- + Bachelor of Science – Comparative Media Studies
- + Courses: Architecture Studio I - IV, Human-Centered Design, Creative Design Prototyping, Building Structural Systems, The Architect's Foundry, Network Cultures, Civic Media CoDesign Studio, Electronics for Mechanical Systems, CS: Python, Designing Interactions, Information Design

GPA: 4.7 / 5.0
Cambridge, MA
sep. 14 – jun. 18

Professional Experience

Human Factors Team @ Nucleus Scientific, Inc.

Mechanical Engineering Intern

- + Research, design, and develop for a start-up in the energy and transportation sector.
- + Responsibilities included composites fabrication, gear box design, SolidWorks FEA, ergonomics research, branding and research, and modeling for simulations.

Cambridge, MA
summer 17

Preston Scott Cohen, Inc.

Web Developer

- + CSS/JS/HTML for prestonscottcohen.com, develop and design to website concept and specifications.

Cambridge, MA
summer 17

New Lab

Product Realization Associate

- + Led product design and fabrication of objects for events along company identity and optimizing for cost and production time, and conveying company narrative.
- + Aided company start-up operations and prototyping lab set up, creating documentation for running the lab.

Brooklyn, NY
may – aug. 16

Weiss/Manfredi (New York) & Howeler + Yoon (Boston)

Architectural Extern / Part-Time Designer

- + Build sketch and high-fidelity models, design for large complexes, and produce construction drawings.

Boston, MA
New York, NY
oct. 15 – jan. 16

East Coast Asian American Student Union

Development Team Special Events Coordinator

- + Plan and manage sponsorship and fundraising events for a national 501(c)(3). Led 20 attendees of annual Youth Leadership Week event in Washington, D.C.

Remote in NY &
Washington, D.C.
oct. 13 – jul. 15

Awards

Council for the Arts @ MIT Grant (Future Heritage Lab)

- + Led FHL proposal, award to be used to exhibit work at Amman Design Week, and establish the Lab in Syrian refugee camp as a civic innovation center in Jordan.

apr. 17 - present

Designing Affordability, Center for Architecture, NY

- + Exhibition with Prof. Larry Sass, Ines Ariza, Elisa Boles

oct. 15 - jan. 16

Questbridge Scholar

- + Questbridge Finalist & College Match Recipient

jun. 14

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Academic & Teaching

Design Lab, Dept. of Comparative Media Studies @ MIT *UI/UX Designer*

- + Fabricate, design, and test physical and digital prototypes for industrial and academic purposes.
- + Collaborating to create experiences + products that leverage new technologies such as VR/AR.

Cambridge, MA
sep. 17 - present

Department of Architecture @ MIT *Teaching Assistant*

- + Hold weekly office hours and lab sections for How to Make (almost) Anything class, teaching digital fabrication, composites layup, casting, and electronics design.
- + Provide feedback to 20 students and manage material inventory.
- + Aid in development of future iterations of the class.

Cambridge, MA
fall 16 + fall 17

Department of Material Science + Engineering @ MIT *Associate Adviser*

- + Aid Artist in Residence in metalsmithing freshman seminar, ensure student safety in the forge, provide academic advice, and help students' transition to college.
- + Teach metalworking skills such as enameling, forming, casting techniques, sculptural and artistic values.

Cambridge, MA
fall 16 + fall 17

Research & Projects

Center for Bits and Atoms @ MIT Media Lab *Research Assistant*

- + Aid in teaching workshops, organizing logistics, material sourcing, presenting work, liaising with team in China, and Fab Lab 2.0 planning and setup.

Shenzhen, China
jun. 15 – aug. 16

ACADIA 2017 @ MIT / AutoDesk BUILD Space *Workshop Assistant*

- + Assisted in three-day workshop, Pop-Up Production in design, assembly, and software setup of machines.

Boston, MA
oct. 17

Connected Care Hackathon @ MIT Media Lab

- + Designed CHAIN/LINK project, a civically-minded object for low-income and underrepresented communities.

Cambridge, MA
apr. 17

Extrapolation Factory @ Ginkgo Bioworks Boston

- + Designed and built speculative, bio-inspired objects based on biology research as a workshop assistant.

Boston, MA
nov. 16 + nov. 17

Fab 12 @ Shenzhen / Fab 11 @ MIT

- + Organized an ad-hoc factory assembly line to produce circuit boards and cardboard parts of modular machines in a hotel. Presented about sourcing in Shenzhen.

Shenzhen, China
sep. 16

Digital Design Fabrication @ MIT Architecture *Research Assistant*

- + Designing complex concrete forms for *Refabricating the Elements* exhibition, utilizing digital fabrication and creating software for rapid delivery of affordable housing.

Cambridge, MA
may 15 – aug. 15