

# Roger Strang

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## WORK EXPERIENCE

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### Curriculum Designer | Just Learn

Oct 2018 - Present

Just Learn is an edtech startup teaching sustainable agriculture.

- Designing 16 lesson plans, to be used alongside Just Learn's product PlanetBox, for middle school science.
- Melding NGSS with group projects and design challenges.

### Product Designer, Contract | HMH

Jan 2018 - Aug 2018

HMH is an educational publisher with \$1.4 billion in annual revenue.

- Coordinated five teammates in implementing research plan across multiple stages of the project.
- Synthesized insights and developed personas, scenarios, journey maps to drive team decision-making.
- Contributed to design process, including ideation, storyboarding, wireframing, over five rounds of iteration.

### Edtech Consultant | TeachersConnect

Sept 2015 - June 2016

TeachersConnect is a social network platform for teachers.

- Conducted exploratory user research projects to increase understanding of online teacher communities.
- Developed company's first social media outreach campaign, increasing Twitter followers from 5 to 200.

### Teacher | Greater Boston Area

May 2011 - June 2017

I worked in urban public schools with a wide diversity of learners.

- Developed original lessons and projects across multiple subjects.
- Used data to inform instruction, leading to an 8% increase in math achievement on a standardized test, highest in the grade.
- Built safe, supportive and inquisitive classroom communities.

## PROJECTS

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### Designer | Collaborative Video

Designed and built a tool for collaborative language learning that can be layered on top of any YouTube video. Github link in portfolio.

### Game Designer | LuRN

Built a board game for pre-service teachers informed by learning science to develop classroom management skills.

## EDUCATION

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### Carnegie Mellon | Aug '18

Human-Computer Interaction Institute  
MS, Educational Technology and  
Applied Learning Science

### Boston College | Jan '13

M.Ed, Elementary Education  
Donovan Urban Teaching Scholar

### Cornell University | May '10

BS, Biology & Society

## SKILLS AND TOOLS

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### Learning Models

Blended Learning  
Competency-based Learning  
Evidence-based Teaching  
Flipped Classroom  
Project-based Learning

### Generative Research

Affinity Diagrams  
Contextual Inquiry  
Interviews  
Journey Maps  
Personas  
Surveys  
Think Alouds

### Evaluative Research

A/B Test  
Prototyping  
Interviewing  
Storyboarding  
Usability Testing

### Tools

Balsamiq  
Final Cut Pro / iMovie  
HTML / CSS / JavaScript  
InVision  
Microsoft Office (Excel, PowerPoint, Word)  
OLI Course Authoring Platform (CMU)  
Python  
Sketch