



EXPERIENCE

STEAM Education Consultant

Dazzling Discoveries

- Developing DazzLinks building kits and brand
 - Creating sample projects that illustrate various uses of product
 - Drawing and digitizing assembly instructions
 - Created DazzLinks logo

New York, NY

Sep 2015

– Present

Curriculum & Project Developer | Multimedia Artist

Vision Education & Media | RoboFun

- Developed LEGO® Robotics curricula for children grades Pre K-6 in the form of 90+ projects using LEGO® MINDSTORMS (EV3 & NXT), WeDo (programmable LEGO® robotics sets) and created step-by-step building instructions that are being used in 80+ NYC schools

New York, NY

Oct 2009

– Feb 2015

- Taught and assisted LEGO® Robotics (NXT & WeDo) after school classes as well as summer camp programs for children grades 1-6

- Consulted teachers and managers on LEGO® robotics curricula by assisting to solve robot building and programming issues and supported on activities, challenges and lessons that teachers could apply in classes with LEGO® robots; that managers could use for professional developments

- Produced graphic materials for the company
 - Designed company branding materials such as letterhead, business cards and signs
 - Updated graphics for the website (robofun.org) as needed
 - Provided designs for retail items such as a water bottle, t-shirt and USB
 - Created promotional materials such as flyers, post cards, posters and print ads

Project Developer | Consultant | Workshop Leader

Beam Camp | Beam Center

- Create DIY hands-on projects for youth aged 8-12 and lead workshops including:
 - **Cam Hammer Analog Synth** workshop (partnered with Mark Kleeb) that constructed a series of large-scale cam mechanisms based on Leonardo da Vinci's Cam Hammer that are wired for sound, with wood working and electronics elements
 - **LED Fortune Teller** workshop that assembled a box that answers your questions by lighting up one or both two LED lights
 - **Rhythm Maker** workshop that created a simple hand-cranked machine with gears that generates various rhythms

Brooklyn, NY

Jan 2010

– Feb 2014

PUBLICATIONS

Exploring LEGO® MINDSTORMS EV3: Tools and Techniques for Building and Programming Robots *John Wiley and Sons*

USA & Germany

Aug 2014

ACTIVITIES

- **Appeared on Sesame Street, Season 44, Ep. 6, Murray Has a Little Lamb: Robot School** *Presented automata (mechanical kinetic sculpture) and LEGO® robots Robo23 & YogaBot to Muppet hosts Murray the Monster and Ovejita.*

New York, NY

Nov 2013

- **Created the Craft Car Kit and the LED Rocket Kit for the Beam Center** *The Craft Car Kit consisted of making a rubber-band powered car and the LED Rocket Kit included both an illuminated rocket and its launcher*

Brooklyn, NY

Nov 2013

- **Designed an automaton kit, Keep-Fit, for TIMBERKITS**

New York, NY

Jun 2009

EDUCATION

New York University, Tisch School of the Arts

Master of Professional Studies in Interactive Telecommunications Program

New York, NY

2007 – 2009

EWHA Woman's University, School of Design

Bachelor of Fine Arts in Visual Information Design

New York, NY

2003 – 2007

SKILLS & SOFTWARE

Adobe Creative Suite (Photoshop, Illustrator, After Effects, Dream Weaver, Premiere), LEGO® Robotics software (EV3, NXT, WeDo, RoboLab), Scratch, Microsoft Office Suite, Processing, Arduino, Pro Tools, HTML, Wood Carving, Origami, Physical Computing, Licensed NYC Citizen Pruner