Allison Colyer

Educational Technologist. Curriculum Designer. Engineer.

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EXPERIENCE

Iridescent, Los Angeles, CA — *Curriculum Designer*

June 2015 - PRESENT

I design curriculum for Iridescent's two flagship programs: Curiosity Machine and Technovation. I manage and develop the entire Technovation curriculum, and am a product manager for the software team.

Iridescent, New York, NY — *Engineering Instructor*

June 2014 - June 2015

I developed and delivered engineering curriculum for children, high schoolers and parents in the Bronx and in Queens.

Sulzer Metco Inc., Westbury NY — *Quality Control Assistant*

June 2012 - September 2012

I was responsible for testing the company's products before leaving the facility on various laboratory instruments, to determine the chemical composition and match results to the specifications for those materials.

PROJECTS

Technovation Curriculum - *Iridescent*

I developed both the structure and the content for a twenty-one lesson curriculum for middle and high school students participating in the global Technovation Challenge. The curriculum is split into five major categories: ideation, coding, business, marketing, and pitching.

Software Product Management - *Iridescent*

I organized the software development efforts to build an online platform for Technovation participants. I used the Scrum framework to prioritize necessary features throughout the Technovation calendar year.

AI Family Challenge - *Iridescent*

I designed the curriculum for the AI Family Challenge, which is a global technology program for families. The curriculum leads elementary and middle school children through the process of creating an AI invention, to solve a problem in their community. I designed and developed the curriculum to launch the program in March 2018.

EDUCATION

The Cooper Union
New York, NY
B.E Chemical Engineering

September 2011 - May 2015

Attended with a full tuition scholarship valued at $150,000

Dean's List, Omega Chi Epsilon Chemical Engineering Honor Society, The National Society of Collegiate Scholars

PROGRAMMING LANGUAGES

Ruby, Python, MATLab, HTML, CSS, Javascript

SKILLS

Adobe Photoshop, Indesign & Illustrator
Microsoft Office Suite
Solidworks & CAD
COMSOL Multiphysics Modeling Software
Pro/II Process Simulation Software
SPARTAN Molecular Modeling Software