

Corey Harrilal

PRODUCTS

Contendify - *The Self-Driving Classroom*

April 2017 - Present

- Will be launched to over 3000 students at McMaster University under Professor Joe Kim (PhD), an internationally recognized researcher in education.
- An educational tool that uses quizzes as a learning tool for students and provides teaching content for teachers.
- Handled real-time communication between users with socket.io.

Foldscope Mobile - *The Tool for Social Microscopy*

August 2017 - Present

- Worked with TED Fellow and Stanford Researcher and Professor, Manu Prakash.
- Foldsopes are low-cost paper microscopes built to expand access to science.
- Over 100,000 foldsopes launched in 135+ countries.
- Sole backend developer, using Node.js/MongoDB.

MathPath - *Handwritten to Digital Math Problems for Students*

October 2017 - Present

- Uses powerful OCR technology to convert handwritten math problems to a beautifully typed format.
- Used KaTeX, Khan Academy's Javascript Library for Tex math rendering.

The Color Shape Game - *The Color Pattern Matching Game*

June 2016 - August 2016

- Won the Instructors Award at Make School.
- Lead iOS developer, designing and programming the entire app.

EXPERIENCE

Co-founder and Vice President - *Teptu*

October 2015 - Present

- Non-profit for the advancement of STEM and Entrepreneurship for high schoolers.
- Landed sponsorships from Microsoft and WeWork.
- Managed a team of 12 to organize a science competition where over 300 students applied.

Researcher - *The Plasma and Fusion Center (PSFC) at MIT*

June 2014 - September 2015

- Worked under Leslie Bromberg, Principal Research Engineer of PSFC
- Created simulations using GTPower and performed data analysis using MATLAB.

EDUCATION

Make School, Product College

September 2016 - Present

- Computer Science, Product Development, and Entrepreneurship.
- An accelerated Y-Combinator backed college for software developers and technical cofounders.

Massachusetts Institute of Technology

2011 - 2015

- Studied chemical engineering and took Calculus, Differential Eq, Linear Algebra, Special Relativity, Macroeconomics and more.

CONTACT

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LANGUAGES

Javascript

Python

Ruby

Swift

HTML/CSS

TOOLS

Node.js

React

React Native

Ruby on Rails

Flask

MongoDB

MySQL

Xcode

Git

GitHub

Heroku

AWARDS

Served as a U.S.

Delegate at the 43rd

Joint School Science

Exhibition in Hong

Kong

New York City Science Fair –
Semi Finalist

Pioneers in Science,
World Science Festival –
Student Representative

Instructors Award at
Make School
Made, "The Color
Shape Game" for iOS