

TYLER ANGERT

DESIGNER & ENGINEER

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EDUCATION

HARVARD UNIVERSITY

Ed.M. Technology, Innovation, Education | May 2019

EMORY UNIVERSITY

B.S. Computer Science and Mathematics | May 2018

EXPERIENCE

Matrio

Cofounder / 2018 - Present

Matrio is an online sandbox for prototyping APIs and backends. Incubated at the Harvard Innovation Lab in the Venture Incubation Program, Fall 2018 and Spring 2019 Cohort.

Harvard LIT Lab

Graduate Research Assistant / 2018 - Present

Developing data visualization platform to analyze how well people collaborate while learning new tasks. Using multimodal data from transcripts, audio, motion tracking, electrodermal activity, and eye tracking.

IBM

Software Engineering Intern / summer 2017

Designed and developed web-based cyber attack simulation environment for analyzing social media and financial data. Used to immerse security clients into the anxiety of a cyber attack.

Emory NLP

Research Assistant / 2017 - 2018

Collaborated with the Amazon MXNet team to create a Natural Language Processing analysis platform.

Built web app for sentiment analysis, turning machine learning data into customizable interactive visualizations.

Used platform to catch flaws in models and improved accuracy on nonverbal classification by over 10%.

Georgia Tech Ubicomp Group

Research Assistant / 2016 - 2018

Led study design and software development on Empa, which investigated emotional processing and priming on individuals with Autism. Also contributed to DeepBreath, a machine-learning based project to create interactive games to assist Asthma patients.

PROJECTS

Polymin

AR music composition

AR theremin-inspired instrument for iOS. Lets you place musical notes in 3D space then play scales, melodies, and harmonies depending on your distance away from those notes.

Continuum

AR story telling

iOS app for creating stop-motion "videos" you can walk through and explore in 3D space. Won 1st prize for best use of GIS software (ESRI) at the Reality, Virtually Hackathon at the MIT Media Lab.

Ternion

Mixed media data visualization

Machine-learning based art project to visualize the similarities between Judaism, Christianity, and Islam. Used Word2Vec to find similarities between texts and laser cut data visualizations into acrylic to construct an interactive art piece.

Adaptive reading

Educational technology

iOS app that highlights the text you are visually focusing on using infrared eye tracking. Conducted user studies and led a scientific study investigating its effect on information retention.

SKILLS / TOOLS

UI + UX Design / Sketch, Figma

Prototyping / Principle

iOS Development / Swift

Web Development / React, Redux, JavaScript, HTML, CSS

Data Visualization / D3.js, JavaScript

Creative Coding / Python, Processing

Experimental Design

User + Scientific Research

HONORS / AWARDS

1st prize | best use of ESRI

MIT Media Lab / Reality, Virtually Hackathon | Jan 2019

Semi finalist | top 10% of teams

University of Pennsylvania / Penn Apps | Sep 2017