

EDUCATION

Georgia Institute of Technology

2020 to 2024 (Expected)

Bachelor of Computer Engineering, GPA 3.90

- Focuses in Distributed System and Software Design and Devices
- Recipient of Gill-Elliot, NKY Society of Professional Engineers, and Trenwa scholarships

SKILLS

Languages: [Typescript/Javascript](#) [Java](#) [Python](#) [Swift](#) [C/C++](#)

Platforms/Frameworks: [React/React Native](#) [AWS Suite](#) [Clean Architecture](#) [GraphQL](#) [NodeJS](#) [MongoDB](#) [Git](#)

Design: [Figma](#) [Photoshop](#) [Premiere](#) [Illustrator](#)

Hardware: [RFID](#) [MIPS ISA](#)

EXPERIENCE

Kleo

Cincinnati, OH

Chief Technology Officer

June 2020 to January 2022

- Oversaw the system architecture and development process of a 3 year old startup valued at \$5,000,000
- Managed a team of 4 multi-disciplinary software engineers in 2 locations (Ohio, Michigan)
- Served as an intermediary between departments, communicating business consequences of development decisions
- Led the development, testing, and rollout of a language learning platform focussing on interactive video

Director of Engineering

June 2020 to Present

- Fully rebuilt a platform previously made by a team of 12 full-time software engineers
- Engineered a backend architecture to handle user authentication, data distribution, video conversion, and storage of 4M+ objects, totaling 9.1TB of data
- Developed a robust administrator panel of over 133,000 lines, reducing content creation time 10x
- Led the development of a video production tool suite, cutting production time 5x for 300+ hours of video
- Designed a data structure and validation tool to ensure the correct schema and relational couplings across 92 data tables
- Utilized speech to text technology and developed language processing algorithms to recognize user intent in speech
- Built algorithms to handle the preloading, streaming, and pathing between dynamically changing sets of HLS videos to consistently display unrecognizable delay

CrowdClips

Cincinnati, OH

Founder

September 2016 to Present

- Created a platform for crowd-sourcing video content at events, which the Atlanta Falcons (AMBSE) have shown interest in
- Utilized facial recognition, sentiment analysis, and label detection to develop an algorithm to find the "most exciting" videos

Freelance Development

Cincinnati, OH

United Property Group

January 2020 to June 2020

- Designed real-estate management and communication app wireframe to present to investors

Abre/CinciTech

June 2019 to August 2019

- Built a web scraper to aggregate legislative data on education policy for 6 states into a single database