Luke Weidner

Website: **lukeweidner.site**

EDUCATION

Georgia Institute of Technology
2020 to 2023 (Expected)

Bachelor Science in Computer Engineering, *GPA 3.90*

- Concentrations 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++ MIPS ISA

Platforms/Frameworks: React/React Native AWS Suite GraphQL NodeJS MongoDB Flutter

General: Clean Architecture DevOps Cloud Security SOLID Project Management

EXPERIENCE

Kleo Language Learning
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 3 locations (Atlanta, 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
- Built a backend to handle authentication, data distribution, video encoding, and storage of 4M+ objects, totaling 9.1TB
- 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
- Engineered algorithms to handle the preloading, streaming, and pathing between dynamically changing sets of HLS videos to consistently display unrecognizable delay

Georgia Institute of Technology
Atlanta, GA

Guest Lecturer (Cloud Computing)
September 2020 to Present

- Spoke to a graduate level class of 150 students about the design decisions behind building monolithic vs microservice architectures on AWS in industry

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/CincyTech
June 2019 to August 2019

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

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