

# Liam T. Sargent

SOFTWARE ENGINEER · CLOUD ARCHITECT

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*"And all you touch and all you see is all your life will ever be."*

## Education

### James Madison University

Harrisonburg, Virginia

B.S. IN COMPUTER SCIENCE

Aug. 2012 - May 2016

- Received Second Century Scholarship Award which is given to promising students in STEM.

## Skills

<b>Programming</b>	Python, Swift, Java, C, JavaScript, Scala
<b>Audio</b>	Synthesis, Signal Processing, Sampling, AudioKit, FFMPEG, PortAudio, CoreAudio
<b>Web</b>	Django, Flask, Express, Vue.js, Canvas, WebAudio
<b>DevOps</b>	Kubernetes, CI/CD, Cloud Platforms, Version Control
<b>Languages</b>	English, French

## Experience

### Zip Technologies LLC

Virginia Beach, VA

PRESIDENT / LEAD DEVELOPER

Jan. 2019 - PRESENT

- Designed and implemented a real-time collaborative live looper app for iOS and web.
- Secured provisional patent for novel audio collaboration technology.
- Designed and implemented collaborative decentralized sample library.
- Provide consulting in fields of information management and security for petabyte-scale data brokers.
- Develop custom Kubernetes tooling for CI/CD lifecycle of hyper-growth FinTech.
- Designed and implemented application for local delivery platform.

### Qwil, PBC

San Francisco, CA

INFRASTRUCTURE SOFTWARE LEAD

May 2019 - May. 2020

- Initial DevSecOps hire at Qwil.
- Grew team from one to six engineers spanning multiple continents, personally training each on procedures.
- Published runbooks for DevOps practices and led Datadog integration effort.
- Developed a standalone authorization service for internal applications.

### Cloudera

Palo Alto, CA

SOFTWARE ENGINEER

May. 2015 - May. 2018

- Developed multi-cloud storage provisioner system for CDH clusters on public cloud.
- Reduced organizational cloud expenditure by over 33% by implementing budget throttling system in provisioner.
- Discovered critical bug in C++ UDFs for Apache Impala query engine.
- Performed three internships as student for three different teams.

## Honors & Awards

2020 **Honorable Mention**, Skynet Labs SkyDB Debut Hackathon

Remote

2014 **Winner, Best use of Mashery API**, HackGT

Georgia Tech,  
Atlanta, U.S.A

## Music

### Datamancer

USA

ELECTRONIC MUSIC PRODUCER

c. 2013

- 20 track LP released in 2019, more tunes on the way.