

# liam sargent

software engineer/audio technologist

## contact

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USA

## education

2016

Bachelor of Computer Science

James Madison University

*Minor in the Music Industry*

Second Century Scholarship award for students with outstanding skills in science and technology. CS Coursework emphasizes web technology, distributed systems and HPC.

## web

🌐 themailman05.github.io  
📄 liamsargent  
📄 themailman05  
🎵 the datamancer  
🎵 internets.cool

## experience

2014

CLOUDERA

San Francisco/Palo Alto, California

*IT OPS Intern*

IT support for medium-sized startup community. Oversaw, adapted to growth and expansion of IT systems from 400 to 1000 employees. Developed Python & Powershell code to automate "boring" IT processes

2015

CLOUDERA

San Francisco/Palo Alto, California

*Software Engineering Intern*

Analysis of customer configuration data using Python data science tools and an internal Hadoop cluster. Developed & released library to accelerate customer data ingest and graphical dashboard.

2016-2018

CLOUDERA

San Francisco, California

*Software Engineer, Cloud Tools*

Developed internal tooling for rapid deployment and monitoring of test clusters on multiple cloud platforms. Provide on-call support for critical development infrastructure. Implemented budget system resulting in 20% reduction in cloud costs while increasing utilization. Prototyped microservice cloud provisioning client. Integrated EC2, GCE, Azure cloud usage data into internal data & reporting system.

2018

CLOUDERA

Austin, Texas

*Software Engineer, Platform Security*

Discovered, triaged, solved critical security bugs in customer data ingest pipeline, Apache Impala, and Apache Sentry. Contributed to design and prototype for next-generation Attribute-Based Access Control solution for Apache Sentry.

## projects

2015

PlaytRate

Python, Flask, Twitter API, Alchemy API

PlaytRate was a web application providing sentiment analysis on twitter data about restaurants and businesses.

2014

SyncSp.in

Node.js, Socket.io, Beats Music API

SyncSpin was a real-time democratic DJ service for parties.

2017-now

internets.cool

HTML5, JS, Canvas, WebAudio

internets.cool is my personal music and audio experiment website. A custom HTML5 audio visualizer and player currently lives there, playing my music.

## code

♥ Python  
Pandas | Django | Flask  
Java | Android  
HTML | CSS | JS  
Node.js | C

## interests

music production  
hiking, camping  
off-road vehicles  
diesel engines  
hackathons  
synthesizers  
hip hop

