

MATTHEW LEON

COMPUTER SCIENCE | VANDERBILT UNIVERSITY CLASS OF 2021

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INDUSTRY EXPERIENCE

SOFTWARE ENGINEERING INTERN | FULCRUM GT | MAY '18 - PRESENT

- Built the backend for an education-focused web and mobile app involving websocket communication
- Worked as DevOps engineer for 5 intern teams implementing continuous integration/continuous kubernetes deployment for intern projects

A/V TECHNICAL ASSOCIATE | VANDERBILT UNIVERSITY | AUG '17 - PRESENT

- Test AV systems in classrooms, troubleshoot technical issues, and oversee equipment pickup and delivery

TECH DIRECTOR | FIRST COVENANT CHURCH | JUNE '17 - PRESENT

- Designed, purchased, installed, and trained volunteers on a new audio/visual system for first covenant church including a completely new sound and visual system and enterprise-grade mesh network deployment. As if that isn't enough, designed, created, and currently maintain web presence

SELECTED PROJECTS

PITCH PIPE FOR ALEXA | UB HACKING '17 | BEST FRESHMAN HACK

- Voice-controlled pitch pipe for singing in tune whenever Alexa is nearby

STREAMPLAY

- Lightweight, cross-platform app to stream audio from one computer to another over a network

FLIGHTSENSE | HACKILLINOIS '18

- Data mining project utilizing machine learning to determine the chance of a flight being cancelled due to weather given forecasted conditions

HACKSECURE

- Service to periodically scan hackathon websites for common SSL vulnerabilities and publish the results to a server-side-rendered webapp

CAMPUS INVOLVEMENT

PUBLIC SPEAKING

- Represented the Eastern United States in the Optimist Oratorical Championship against seven other competitors from all over the world
- Vice President of Vanderbilt Toastmasters, overseeing outreach, education of new members, and the web presence

ORGANIZATION & LEADERSHIP

- VandyHacks V board member serving on the Hacker Experience and Logistics teams
- Founder and Vice President of Vanderbilt Free and Open Source Software Society, educating students on and promoting the ideas of open source

CLASSES

(completed)

CS 1101 Problem Solving (A+)

CS 2201 Data Structures (A)

(in progress)

CS 3251 Intermediate Software Design

CS 2212 Discrete Structures

CS 2231 Computer Organization

TECHNICAL SKILLS

(in order of proficiency)

Go

Kubernetes/Helm

Git

Continuous Integration

GNU/Linux

CSS

React/Elm

(in no particular order)

C++

Javascript

Kotlin

Java

Microsoft Windows

Apple MacOS

Amazon Web Services

ADDITIONAL SKILLS

Public Speaking

Agile/Scrum

Singing

Teamwork