

# Katherine Lazar

katherinelazar@college.harvard.edu

katherinelazar.tech

(650)208-6029

## EDUCATION

### **Harvard University**

Cambridge, MA

A.B. in Computer Science, Secondary in Music anticipated, May 2021

**Courses:** Systems Programming (C/C++), Algorithms and Data Structures (Python), Mobile Software Development (Kotlin/Java), Abstraction and Design (OCaml), Visualization (D3), Logic Programming (Prolog)

**More technologies:** React, Ruby, Javascript, familiarity with REST APIs

## EXPERIENCE

### **Instagram SWE Intern - Ads Measurement and Client Infra Team**

Jun-Aug 2020

Creating a debugging overlay for Instagram stories to view ads data.

### **Facebook SWE Intern - Video Integrity Team**

Seattle,

WA

Built a new system to flag inappropriate videos on Facebook using PHP, Python, and Hive. Enabled page-level enqueueing to live reviewers, useful for when a page violates FB's community guidelines.

Jun-Aug 2019

### **Facebook University for Engineering Intern**

Seattle,

WA

Designed and developed an Android app that streamlines the college application process for first-generation students.

Jun-Aug 2018

### **Front End Software Engineer, DEV by Harvard Student Agencies**

Sept 2017- April 2018

Joined a paid web and app development agency run by Harvard students to build software projects for Boston's startup scene. Project redesigning the DEV website helped DEV bring in >100K in revenue in 2018.

### **Instructor and Teaching Assistant, Stanford Digital Media Academy**

Jun-Aug 2017

Taught classes in Java, Python, iOS app development with Swift to teens.

### **Software Engineering Intern, VillageTech Solutions**

Menlo Park, CA

Designed user interface portable projection system used in rural schools in Nepal.

Jun-Aug 2015

## ACTIVITIES

### **Course Assistant, CS50: Introduction to Computer Science**

Sept-Dec 2018

Teaching students in office hours and grading assignments for Harvard's largest CS class.

### **Harvard University Choral Fellow**

Aug 2017- present

Performing in Harvard's only professional-level choral ensemble. Fellows are a paid 16-member ensemble performing at the highest level in daily services and concerts.

### **Assistant Conductor, Tactus Ensemble**

2017 - 2018

Cambridge-based 20-member vocal group specializing in Early/Renaissance music.

## OTHER INTERESTS

- Choir manager for Harvard College Opera productions of *Die Fledermaus* and *Cendrillon*.
- Published article and Tableau data visualization in the Harvard Political Review on US gun violence in 2018.
- Love to surf - gave weekly surfing lessons to children while living in Bundoran, Ireland.