Cameron Matsui

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EDUCATION

Amherst College   **Amherst, MA**

Bachelor of Arts in Mathematics and Computer Science   Expected December 2022

- Cumulative GPA: 3.95/4.00
- Major GPA: 4.00/4.00

EXPERIENCE

Meta (Formerly Facebook)   **Seattle, WA**

Software Engineering Intern   June 2022 - August 2022

- Worked on the Billing Product Infrastructure team
- Enabled refunds for local payment methods (LPMs) providers

Amherst College   **Amherst, MA**

Gregory S. Call Summer Research Fellow   June - July 2021

- Studied adverserial queueing theory, a model of packet forwarding in theoretical computer science
- Wrote software to simulate the model and proved total load equialence for a class of forwarding protocols

The University of Texas at Austin, Department of Integrative Biology   **Austin, TX**

Research Fellow, UT COVID-19 Modeling Consortium, and the Meyers Lab May 2020 - January 2021

- Researched the transmission dynamics of COVID-19
- Assisted the University of Texas at Austin in reopening for the fall and spring semesters of 2020-2021

PROJECTS

RateOurCourses.com   **Amherst, MA**

Full Stack Web Development   October 2020 - Present

- RateOurCourses.com is a student-run course review site that helps Amherst College students choose their courses
- Rearchitected and implemented site using Flask, a Python web framework
- Site hosted on AWS Elastic Beanstalk

TaskTree   **July 2022-Present**

- TaskTree is a CLI project-planning and task-management tool written in Rust
- Available at github.com/cammatsui/tasktree

ModularEpi   **November 2020 - January 2021**

- ModularEpi is a flexible Python framework for building and running compartmental epidemiological models
- Features include metapopulation modeling and programmatic construction of the next-generation matrix to calculate R_0
- Available at github.com/cammatsui/modularepi

View more projects at cammatsui.github.io

PROGRAMMING LANGUAGES AND TECHNOLOGIES

- Proficient in Java, Python, JavaScript/TypeScript, and Hack
- Working knowledge of Rust, C++, Apache Thrift, and Linux
- Experience with R, MySQL, and HTML