

# JEREMY HSU

jeremyhsu.me | jeremyhsu@college.harvard.edu

## EDUCATION

**Harvard College** | B.A. in Computer Science

Expected May '24

**Relevant Coursework** Functional Programming · Design of Useful and Usable Interactive Systems · Linear Algebra and Differential Equations · Introduction to Computer Science · Multivariable Calculus

**Clubs & Organizations** Harvard Computer Society · Datamatch

## TECHNICAL SKILLS

**Programming Languages** C · C++ · Java · Swift · JavaScript · Python · OCaml

**Frameworks & Libraries** ReactJS · Node.js · Redux · TensorFlow · UIKit

**Technologies** Google Cloud · Heroku · Firebase · Pandas · Figma · Elasticsearch · HTML/CSS

## WORK EXPERIENCE

**Cisco Systems** | Software Engineer Intern – **Team Collaboration Group**

San Jose, CA · May '20 – Present

[ Python, Elasticsearch, Kibana ]

- Interning on the Media Processing and Call Control team.
- Building Kibana dashboards that visualize and monitor call quality metrics in real time.
- Using Python to automate various performance analysis processes.
- Expanding an internal Python-based tool that analyzes diagnostic logs and locates potential bugs.

**Datamatch** | Software Developer – **Algorithm Team**

Cambridge, MA · Oct '19 – Feb '20

[ Python ]

Datamatch is a software service which connects and sponsors meals for students based on their personality compatibilities.

- Implemented a stable matching algorithm for schools with under 5,000 users and cross matching for Harvard and MIT.
- February launch saw over 39,000 users across 30 colleges and universities throughout North America including MIT, Yale, McGill, and UC Berkeley.

## PROJECTS

**MiniML**

[ OCaml ]

A metacircular interpreter for a small, Turing-complete subset of the OCaml and ML programming languages. Users are prompted with a graphical REPL and MiniML executes commands based on three distinct semantic models: the substitution model, the dynamically scoped environment model, and the lexically scoped environment model.

**FoodSpace**

[ JavaScript, Node.js, ReactJS, React-Redux, Yelp-Fusion ]

A full-stack web application streamlining the process of determining meal logistics. Users are able to search for restaurants based on specified criteria and can select a time slot in their calendar based on a chosen restaurant's hours of operation on a given day.

**RoommateHub**

[ Swift, UIKit, MessageUI, Firebase ]

An iOS application which streamlines shared living for roommates. Features include shared task lists, roommate profiles, integrated text messaging, and an anonymized message forum.

**Personal Site**

[ JavaScript, ReactJS, Firebase ]

A portfolio site showcasing my current college, personal and professional information.

## ACTIVITIES

Harvard Expressions · USTA National-Level Junior Player