

AUGUST C. DAMIANI

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EDUCATION

Harvard College

Expected May 2028

A.B. Candidate in Computer Science, Mind Brain Behavior Track, 4.0 GPA

Relevant Coursework: Linear Algebra, Probability, Machine Learning, Systems Programming & Machine Organization, Operating Systems, Computational Cognitive Neuroscience

EXPERIENCE

Pocketflows

June - August 2025

Intern, Founding Engineering

San Francisco, CA

- Performed duties appropriate for a founding engineer inside the Ruby on Rails server, including system maintenance, code review, and interfacing with several company partners; part of a startup of four
- Oversaw a React user interface overhaul inside the embedded application, impacting over 1,000 small businesses
- Single-handedly designed a scalable email template compiler capable of producing email-safe HTML from a proprietary JSON format
- Fully integrated the compiler with Large Language Models—including Claude and Gemini—allowing customers to generate detailed, valid, and beautiful emails from plaintext descriptions or from websites in under a minute
- Built an email editor to replace a third-party solution, allowing users to edit emails generated via AI or create their own

The Harvard Crimson

November 2024 - Present

Chair, Technology Board

Cambridge, MA

- Lead a team of 18 in maintenance efforts for the Harvard Crimson, the oldest student newspaper in the country
- Designed, developed, and tested a custom archive viewer housing over 50,000 scans and millions of articles
- Advanced efforts for a unified Crimson backend written in Go and sqlc with support for the gRPC protocol
- Implemented and deployed New-York-Times-style live update threads via work in Django and React

Leona's Restaurants

April - October 2023, June - August 2024

Host & Server

Chicago, IL

PROJECTS

LS50: Integrated Science Research Project

- Performed a rule-based computational analysis looking for a correlation between Yeast cluster size and mating activity
- Coordinated responsibilities across a team of four, practicing lab safety while using efficient equipment and procedures
- Designed an algorithm to classify cell clusters and identify gene expression via a Python program leveraging Numpy, machine learning framework Cellpose, and Scipy

Independent Projects

- SuperOrbit, an iOS physics simulator built in SwiftUI and SpriteKit; a winner of Apple's annual Swift Student Challenge programming competition. One of about 75 winners invited to Cupertino for WWDC 2024
- Schema, an AI visual scripting tool for game developers built in C# and extending the Unity game engine

TECHNICAL ABILITIES

Computer Languages

C/C++, Go, Python, TypeScript, OCaml, Swift, Ruby, x86 Assembly

Libraries & Protocols

React, SvelteKit, Ruby on Rails, Django, HTMX, gRPC, REST, Numpy, Cellpose

Tools

Neovim, LaTeX, Docker, Git, GDB