

AI-Amplified Prototyping

Class #1

Aug 31, 2026

What even is this course about?

Course Search

Schedule

AI

FA2026

Filters

> CSCI 006 PZ-01
Intro to Computer Sci with AI

70/320seats filled

OPEN

+

> FS 072 PZ-01
AI and Society: Conversations

1 PERMs
15/17 seats filled

OPEN

+

> EA 177 PZ-01
AI & Land(scape) Representa...

21 PERMs
16/16 seats filled

CLOSED

+

> ENGR 190BO HM-01
AI-Amplified Prototyping

19/32 seats filled

OPEN

×

> PE 029C JP-01
Tai Chi-Sword Class

13/30 seats filled

OPEN

+

> PE 029A JP-01
Tai Chi - Beginning

4/48 seats filled

OPEN

+

> PE 029A JP-02
Tai Chi - Beginning

4/48 seats filled

OPEN

+

> ANTH 002 SC-02
Intro Sociocultural Anthro...

17 PERMs
19/20 seats filled

REOPENED

+

> MATH 030 CM-02
Calculus I

4 PERMs
24/24 seats filled

CLOSED

+

Course Search

Schedule

Artificial intelligence

FA2026

Filters

> PSYC 189D PO-01
Seminar: Minds and Machines

6 PERMs
12/14 seats filled

CLOSED

+

> GOVT 137C CM-01
Special Topics in Government

1 PERMs
0/18 seats filled

OPEN

+

> FS 072 PZ-01
AI and Society: Conversations

1 PERMs
15/17 seats filled

OPEN

+

(end of search results)

Search for courses from other recent semesters

⬢ ⬢ ⬢ 📁 * Claude Code



Claude Code v2.1.247

Opus 5 (1M context) · Claude Max

~/Developer/claude-usage-menubar

⚠ 5 MCP servers need authentication · run /mcp

● high · /effort

> ⓘ try "edit <filepath> to..."

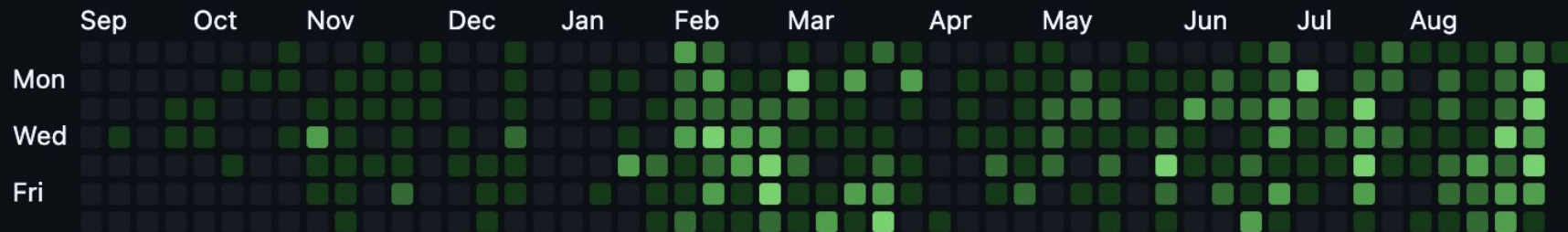
/Users/joshbrake/Developer/claude-usage-menubar | 0.0%

/rc

⏏ manual mode on · ← for agents

2,734 contributions in the last year

Contribution settings ▾



[Learn how we count contributions](#)

Less More

The Environmental Impacts of AI -- Primer



Community Article

Published September 3, 2024



Sasha Luccioni

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By: [Sasha Luccioni](#), [Bruna Trevelin](#), [Margaret Mitchell](#) (Hugging Face)



Image source: <https://betterimagesofai.org/>



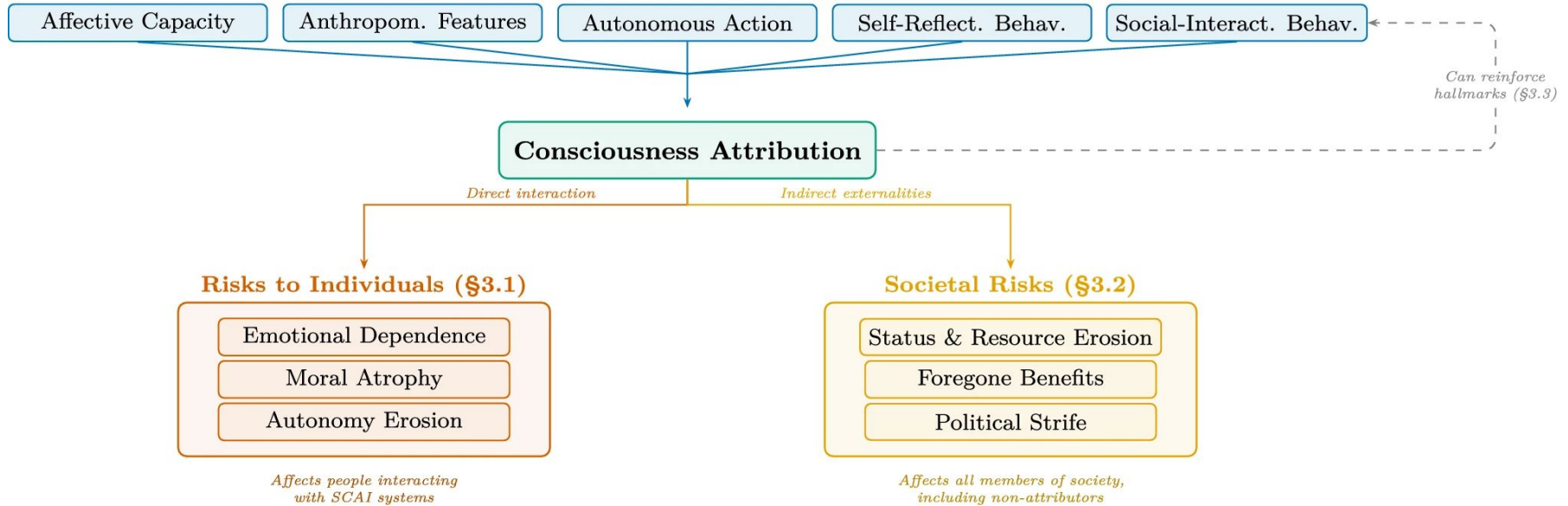
19 August 2025

Source Mustafa Suleyman

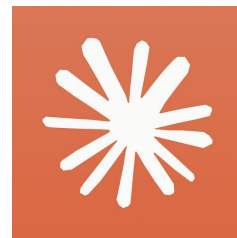
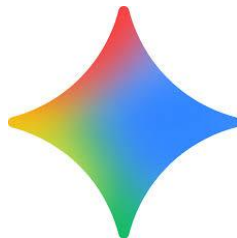
We must build AI for people; not to be a person.

Seemingly Conscious AI is Coming

Hallmarks of Consciousness Attribution (§2)





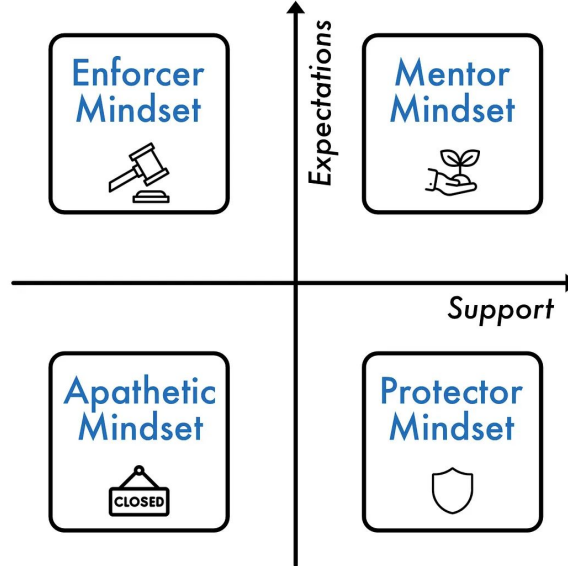


Learning Goals

- **Understand** the architecture and general operating principles of large language models (LLMs) and how they fit into the computing landscape.
- Gain insight into **how these tools work in practice** through hands-on implementation, with a focus on their capabilities and limitations and the reasons for these.
- **Reflect critically on your learning processes** and develop effective strategies for using AI as a learning tool that deepens rather than bypasses your understanding of engineering practice.
- Effectively collaborate with AI tools to **extend your abilities in engineering disciplines**, creating functional products or systems that demonstrate design thinking and have real-world applications.
- **Critically examine and articulate the environmental, societal, and ethical impacts of AI** technology through research, reflection, and creative communication, demonstrating understanding of both beneficial and harmful applications.

High expectations, high support

The Mentoring 2×2



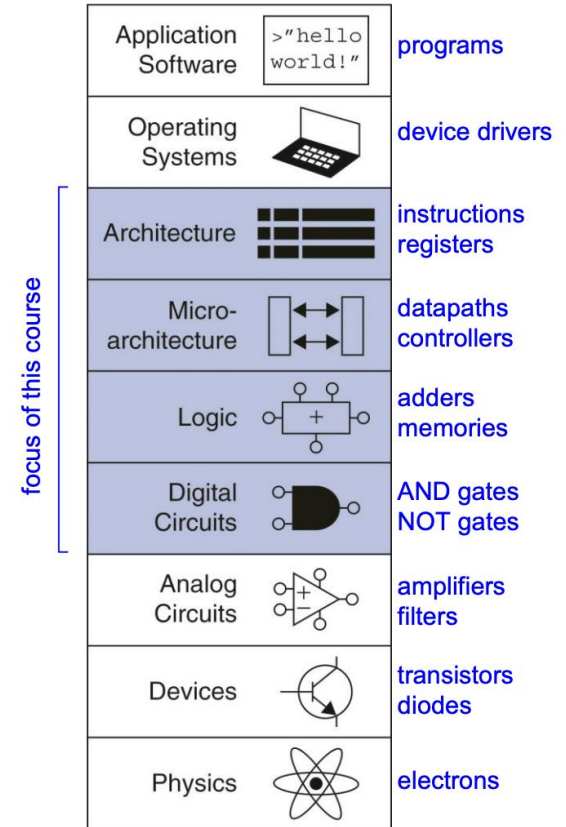
Customize the AI stack your class learns with.

Glassroom gives your course its own transparent and customizable AI stack — you design the base models, customize the information, and set the limits, so it works with, not against your teaching. The record of every exchange is visible and helps to surface insights the whole class can learn from.

Course Structure

- Build components in modern AI systems
- Once you build it, we abstract it away and move up the ladder
- Goal: understand the whole stack, be able to build full stack web apps using modern AI tools

Comparing to E85



Course Logistics

Website: <https://course.aiprototypes.org/>

Communication: <https://hmc-ai-amplified-prototyping-fa26.zulipchat.com/>

Lab submissions: [Canvas](#)

Chatbots & quiz prep: <https://glassroomai.com/>

Syllabus walkthrough

Course Components

Videos: watch before each class

Quiz prep: complete before class on quiz days (on glassroomai)

Class: quizzes & interactive activities

Labs: completed each week by Wed midnight (submitted on Canvas)

Lab check-ins: 1-on-1 with instructor

—

Final project: pitches, design reviews, presentations, demo day

Lab check-ins

Indicate weekly availability here →

Lab 0 check-in is this Thur/Fri!

- Will announce later today



Advent of Code: Walkthrough

- Programming challenges to practice/learn coding
- Use AI as a tutor
- Productivity tip: speech recognition

Advent of Code: You try!

Find a partner to pair program with

Have the less experienced programmer drive

Do AoC day 1 together, using AI as a tutor

This week

- Watch L2 video (before Wed class)
 - <https://www.youtube.com/watch?v=ptRieBEVCsQ>
- Complete “L2 Quiz Prep” (before Wed class, on glassroomai)
 - There is a L2 Video Chatbot you may use to ask questions
- Lab 0 (by Wed midnight, on Canvas)
 - Pre-class assessment
 - Set up speech recognition
 - Navigate jupyter notebook with keyboard shortcuts
 - Do AoC for 1-2 hours, complete at least 1 day
 - Write self-reflection
- Lab 0 check-in this Thur/Fri