

# The Claude Builder Club @ Penn

**ANTHROPIC** x **Penn**

# Today's Presenters



Anushka Sheoran  
CBC Pres. | CIS MS '27



Albert Opher  
CBC Founder | M&T '25

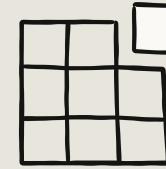
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# What is CBC@Penn?

And why should you get involved?

# Democratizing Entrepreneurship through AI

CBC@Penn invites all students to the explore the opportunities of ideation.



## Technical Skill Building

- We host technical masterclasses on Agentic AI, MCP, AI Research, and more
- DL Research Collective
- Anthropic sponsored Hackathons

## Network Growth

- We are the only digital builder club on campus
- Club Members - incl. other Founders and Builders @ Penn
- Fireside Chats

## Entrepreneurship

- Founder's Accelerator [IN THE WORKS]
- Social Events + Mixers
- VC, Investor, & Professional connections

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# Website Walkthrough

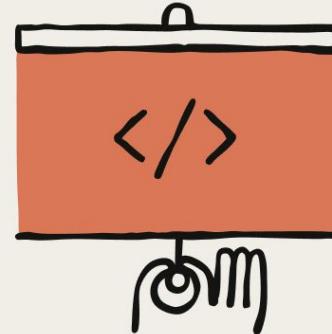
<https://www.penncbc.com/>

# Website + Socials + Upcoming Events

Claude Builder Club  
@Penn

Event

## Claude Builder Club Kickoff Event



*When:*

January 27th, 7 pm



Join us for our kickoff event to hear about our plans for the semester and discover how you can get involved in shaping the club. Learn how to get free Claude Pro while enjoying free food!

Website



Instagram



Slack



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# Claude Code Demo for CIS 2210

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# People want AI to help them extend their thinking, not to think less

## Perceptions of AI today

*“Right now, it’s like a **vending machine**: I input a prompt, it spits something out.”*

*“A **cheerleader** is nice, but sometimes I want a sparring partner - that’s how ideas grow and that’s not what ChatGPT does today.”*

## What people want from an AI relationship

*“Sometimes I want it to **help me think**. Not just solve. Like a creative partner you **bounce ideas off** for hours.”*

*“I don’t want an assistant. I want something that can **help me get better at thinking, at writing, at strategy**.”*

SOURCE: Anthropic Positioning Research, July, 2025

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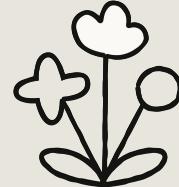
# Claude Code 101

[Fall 2025 Masterclass 2 Presentation](#)

# Claude Graph Algs Mini Demo

**Github:**[https://github.com/Albinator3000/CBC\\_at\\_Penn-X-CIS\\_2210](https://github.com/Albinator3000/CBC_at_Penn-X-CIS_2210)

**Installation:**<https://code.claude.com/docs/en/quickstart>



README



## Maze Solver Visualization Demo

A visual demonstration of search algorithms solving mazes for CIS 2210.

### Overview

Watch BFS, DFS, and A\* race to solve the same maze side-by-side. See how each algorithm explores differently and why A\* is often the most efficient.

Algorithm	Strategy	Optimal?
BFS	Explore level by level	Yes
DFS	Go deep, then backtrack	No
A*	Use heuristic to guide search	Yes

### File Structure

```
└── Graph.py      # Graph data structure
└── BFS.py        # Breadth-First Search
└── DFS.py        # Depth-First Search
└── Astar.py      # A* Search
```



### Run

```
python3 BFS.py
python3 DFS.py
python3 Astar.py
```



# Q&A

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# Thank you

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