

# The New AI Entrepreneurship

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Programming AI Apps

# Administrative Details

## An Age of AI Apps

- Attendance secret code!
  - <https://forms.gle/fY8G9e4oeiJSqYKk8>
- Slack news
  - Many of you should have a team channel for us to communicate with you
- Google sheet for people still looking for teams
  - DM or email the list if you need any assistance
- Be in a team by end of day (16 channels are currently up in Slack)

# An Interactive Lecture

- John and I are both active AI entrepreneurs
  - We have done them in the past
- We are aiming to bring the latest of that experience to you
  - Don't hesitate to ask lots of questions
- We want to surface things that don't get press
  - There is a lot of AI tribal knowledge

# The AI Wave is Fully Upon Us

- An entire ecosystem is developing
  - Foundation Models
  - Model Hosting
  - AI tooling
  - AI Apps
- Public awareness is well developed
  - ChatGPT
  - Perplexity
  - Deepfakes
- How bubbly is this?
  - What will survive? What will change?
  - AI is a new apex predator in the economy

# What to Know About Waves

- Best environment for building lasting value from scratch
  - Entrepreneurs' agility advantage
- Rapid change is the norm
  - Adapt to latest features
- New developments can kill a product idea
  - They can also be kingmakers
- AI wave has greater potential than the dot com boom
  - Building on existing massive web and mobile infrastructure

# Properties of the AI Wave

- Many of the most massive investments in history have already been made
  - 90+% of all investment in AI is local
  - High concentration of skill
- More level playing field than most
  - Few moats for competitive advantage
  - Agility, knowledge of market key
- Every single business sector will be transformed
  - Complex, Tedious, Time consuming tasks simplified
- Emergence of AI first companies

# Major Changes in 2024 (since last iteration)

- Landscape
  - Huge context windows (RAG significantly less business critical)
  - Easier to implement agentic workflows, even as demos
  - Open source models quickly match foundation models
- Features
  - Multi-Modal capabilities mix text, voice, image, video
  - Function calling and Structured output
- Cost
  - $\frac{1}{4}$  to  $\frac{1}{10}$  the cost for similar output
- Business Awareness
  - Every company is investigating using AI

# Benefits for Current Entrepreneurs

- Scalability
  - Steps from prototype to production far better defined
- Platform choices
  - Lock in is less pronounced than with cloud providers
- Sales Motion
  - Show actual results to potential customers in days rather than weeks
- Pricing
  - Can factor in price drops to revenue model



# Tools to Consider

- Languages
  - Python
  - Javascript/Typescript
- UI (time efficiency is important)
  - Streamlit, Vercel
  - Kivy, Beeware
  - Flutter
- Tooling
  - LangChain, AutoGen, Dagworks
  - Copilot, Cursor
- Models
  - Experiment, try all if you can/have time
  - Claude for Teams

# CS 224G Teams

# Teams (1)

AI-appeal

Argus AI

Avia

Childcare Ease AI

D8A

Hallucination Nation

Impact Lite

Links

# Teams (2)

Noah

Procure AI

Proof Checker

Reclaim LA

Temporal Planning

Tutor

Verbo AI

Waitless Mental Health