Deaf or Hearing Impaired?

If you are Deaf or Hearing Impaired.
The best way to watch this live-stream is on **LinkedIn**.

We Will Put This Link to the LinkedIn In the Discord Announcements

https://www.linkedin.com/events/freegenaibootcamppreweek7262181835307134977/theater/

We will do our best to follow up videos with providing captioning.

FREE GENAI BOOTCAMP

Thank Our Sponsors

Check out the **Virtual Booths!**

FREE GENAI BOOTCAMP

What is the FREE GenAI Bootcamp?

- 6 Weeks of **Project-Based** Learning
- Every Saturday Noon EST
- There is Homework
- There is Grading
- There are Digital Badges

You must be **registered** to get these

- It's *FREE
- It's Bring-Your-Own-Account
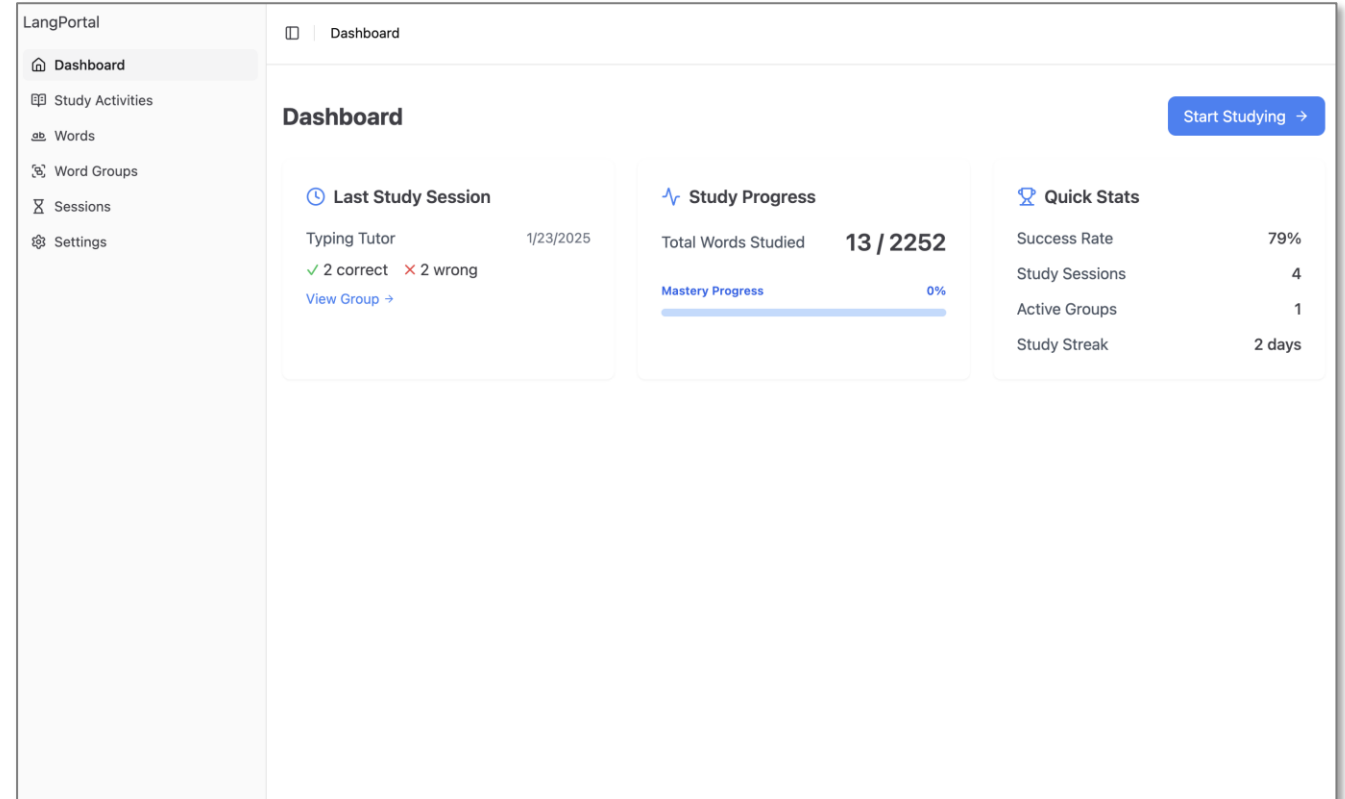
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What are we Building?

You've been hired as an **AI Engineer** for a <mark>**Language Learning School**</mark> to augment the learning experience for students taking instructor-led classes.

You'll be doing the following:

- Augmenting the main web-app to include GenAI Functionality

- Creating a series of projects to act as learning activities for students

- Prepare the company to be production-ready with their GenAI Offerings

LangPortal

- Dashboard
- Study Activities
- Words
- Word Groups
- Sessions
- Settings

Dashboard

Dashboard

🕐 **Last Study Session**

Typing Tutor   1/23/2025
✓ 2 correct   ✗ 2 wrong

View Group →

📈 **Study Progress**

Total Words Studied   **13 / 2252**

Mastery Progress   0%

🏆 **Quick Stats**

Success Rate	79%
Study Sessions	4
Active Groups	1
Study Streak	2 days

Start Studying →

Andrew is going to use **Japanese** as the learning language.

You can use any language you want.

Toki Pona

If you can't decide on a targe language consider using the artificially constructed language **Toki Pona**.
It has only around 150 words and you can learn it in a couple of days.

It has its own **very fun character set**:

| kulupu pi kama sona li open lon tenpo ni. |

- kulupu: group/community
- pi kama sona: of learning (literally "of coming to know")
- li: marks the predicate
- open: begin/start
- lon: at/in/during
- tenpo ni: this time/now

a	akesi	ala	alasa	ale	anpa	ante	anu	awen	e	en	esun
ijo	ike	ilo	insa	jaki	jan	jelo	jo	kala	kalama	kama	kasi
ken	kepeken	kili	kiwen	ko	kon	kule	kulupu	kute	la	lape	laso
lawa	len	lete	li	lili	linja	lipu	loje	lon	luka	lukin	lupa
ma	mama	mani	meli	mi	mije	moku	moli	monsi	mu	mun	musi
mute	nanpa	nasa	nasin	nena	ni	nimi	noka	o	olin	ona	open
pakala	pali	palisa	pan	pana	pi	pilin	pimeja	pini	pipi	poka	poki
pona	pu	sama	seli	selo	seme	sewi	sijelo	sike	sin	sina	sinpin
sitelen	sona	soweli	suli	suno	supa	suwi	tan	taso	tawa	telo	tenpo
toki	tomo	tu	unpa	uta	utala	walo	wan	waso	wawa	weka	wile

The Prerequisite

GenAI
Essentials

ExamPro Certified

The GenAI Essentials is our **22 hour** prerequisite course.

You can watch it for free, and you can optionally pay to earn the certification. (The proceeds goes towards STEM equipment for kids in our local region)

Check the **freeCodeCamp** virtual booth for additional GenAI video resources.

What is the Schedule?

- **Livestream:** (Youtube) Every Saturday Noon-2PM EST
- **After Class QnA:** (Discord) Every Saturday 2PM-2:30 PM EST
- **Office Hours:** (Zoom) Check the Discord for Schedule
- **Homework:** Series of Videos Released during the week.
- **Submit Journal:** Weekly Before Next Class

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Building The Bridge As We Cross It

- Live-streams may end up incomplete
  - Andrew may follow up with videos to complete the live stream.
- Emerging technology might be worked in last minute and videos might appear at random eg. DeepSeek.
- Some guest instructors may drop out, and unexpected guest instructors might appear
- Just like a real-world project, scope will change as we go.

- It doesn't matter if we **fail**
- It matters that we **grow domain knowledge** and **gain technical certainty** through our experience.

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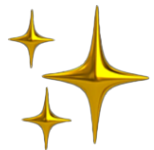
Local Hardware

Intel Lunar Lake AI PC Dev Kit
(Core Ultra 200V September 2024)

Macbook M1
16 GB

7th Generation Intel CPU
RTX 3060
32 GB

Precision 3680 Tower Workstation (OptiPlex)
RaptorLake 14th Gen iCore9 / GeForce RTX 4080

Discord Expectations

- The Discord is not a tech meet-cute dating service. Stay out of people's DMs.
    - This applies to outside Discord eg. LinkedIn.
- Screenshot from your <u>computer and not from your phone</u>.
- When you ask a question, make sure you show proof of effort
- No spanning multiple channels (even twice)
- Post in Forums; Andrew and Moderators review multiple times a day
    - Andrew's Discord DMs are flooded, and rarely can reply to messages
    - Try and not directly @ Andrew because this creates too much noise.
- For very serious issues that violate Codes of Conduct email support@exampro.co
- For technical issues <u>with the ExamPro platform</u> email support@exampro.co

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Don't Mess with the Mods

- If a mod warns or asks you to do something you need to do it.
- Arguing will result in being kicked out of the Discord & Possible ban from the bootcamp.

Mods are here to help you avoid being in the wrong place at the wrong time.

Proof of Effort

- Did you post in the correct forum for the week you are working on?
- Did you take the time to describe what could be wrong, not just "it doesn't work"
- Did you provide code samples?
  - Did you provide it in markdown format?
  - Did you apply syntax highlighting?
- Did you show possible steps to resolve the issue and their conclusion?
- Did you provide screenshots from your computer (not from phone)?
  - Did those screenshot show key information?
    - eg. Address URL, Network Tab, Error Console, System Logs
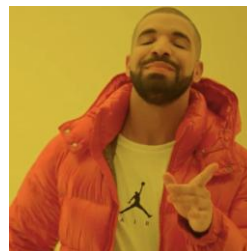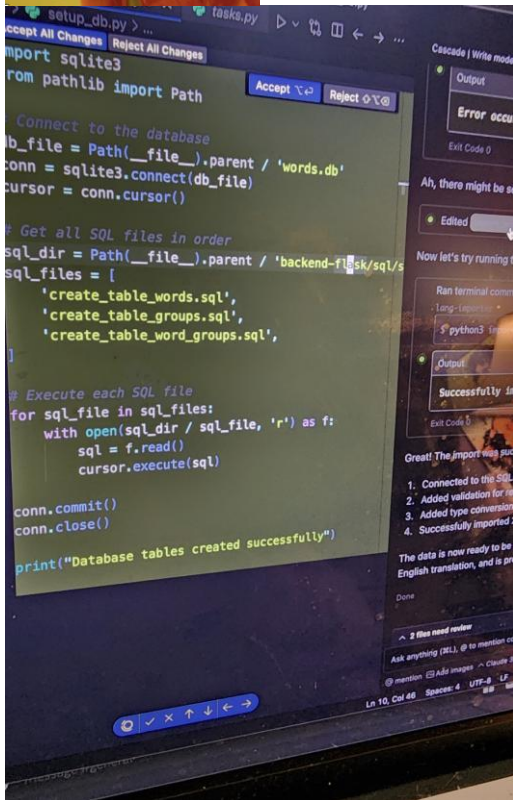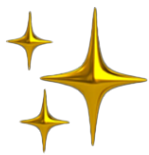
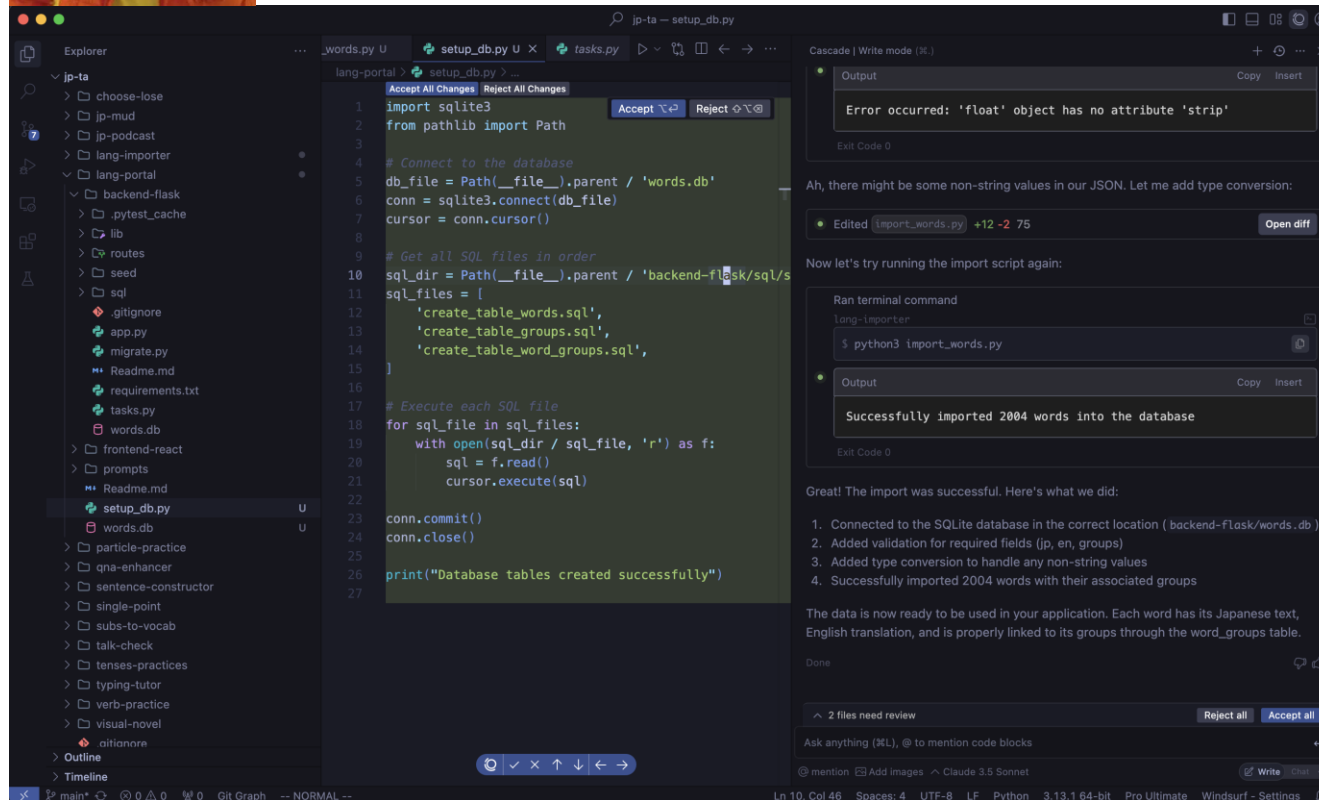eg. "I got a 500 error" is not enough information.

Discord Expectations
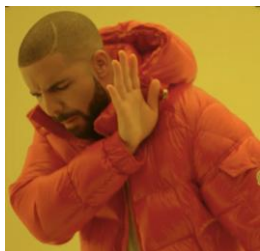
❌ Taking a photo of your computer with your phone.

✅ . Taking a photo of your computer with your phone.

⭕ . _ In _Japan they use a red circle to indicate correct
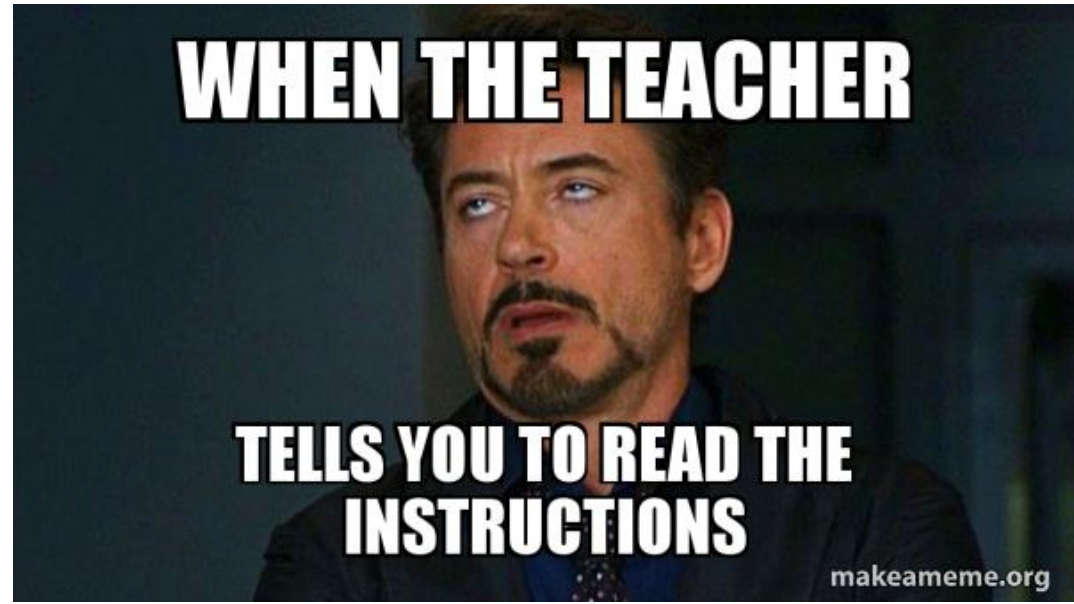

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Read The Fun Manual (RTFM)!

Everything is documented, so be sure to **look around**
- The FAQs
- The Outline
- The Codes of Conduct
- The Discord Announcements
- The Discord Forums
- The ExamPro Platform Announcements

genai.cloudprojectbootcamp.com

YOU KNOW THE RULES AND SO DO I

WHEN THE TEACHER TELLS YOU TO READ THE INSTRUCTIONS
makeameme.org

We Show, You Choose

We Show: Multiple GenAI implementation approaches, tools, and techniques

You Choose: Your optimal solution based on:
- Time investment
- Cost considerations (API, infrastructure)
- Technical complexity
- Your specific context and needs

Considerations
- There is no "wrong way"
- If it **works for you then it works**
- The GenAI market is immature
  - There are no experts yet
    - *Except for Rola*

BUT IT WORKED ON MY MACHINE

THEN WE'LL SHIP YOUR MACHINE TO PRODUCTION

Grading and Journaling

What matters through this experience:

- **growing domain knowledge**

- **gain technical certainty**

- What to Journal:
  - Hypothesis and Technical Uncertainty
  - Technical Exploration
  - Final Observations and Outcomes
- What Not to Journal:
  - Basic explanations of technical terms
  - Routine steps

Make your Impression:
- Make it clear what's your Homework Challenge
  - Suggested or Defined By You
  - Some challenges will be given bonuses
- Make a video showing the thing working
- Make a blogpost showing how it can be replicated
- Be active in the Discord helping others
- Be active in the comments during the live-stream
- Show up to office hours
- Submit your Journalling on the ExamPro Platform consistently on time

I will show you how to journal while working on projects in the videos.

Badges

- Blue Squad — Demonstration of Good Effort
- Teal Squad — Demonstration Proficient Effort
- Gold Squad — Demonstration of Remarkable Effort
- **Red Squad** — Demonstration of Exceptional Effort

The "professional" variant. (WIP)

SheClouds and GenAI-Español Groups

SheClouds

Join the Private Discord Channel
Enhanced CoC Enforcement
Network with Women In Tech

GenAI Español

Join the Spanish Discord Channel
Separate Learning Track All in Spanish

They get their **own badge**!

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Fast FAQs

Q: I didn't finish the preq, will I be able to keep up?
A: The preq is not a hard requirement, but the goal is to get you to exposure to as many terms and tools as possible. The preq is there in case you can't keep up you can reference those materials.

Q: What happens if I join late can I still participate?
A: Try and submit your grading on-time. There is time to catch up.

Q: This is too hard, should I quit?
A: If its too hard, do what you can, but then focus on the GenAI Essentials and audit the bootcamp.

Q: How do I get into the Discord?
A: You must be registered, the link is generated in the ExamPro platform. If you are having issues contact ExamPro support at support@exampro.co

Q: What if I miss the live-stream?
A: Its recorded and made availability to afterwards.

Q: Who is this person named Bayko, that Andrew keeps mentioning but we never see?
A: We don't know what you're talking about. Who's Bayko?
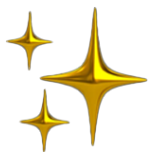
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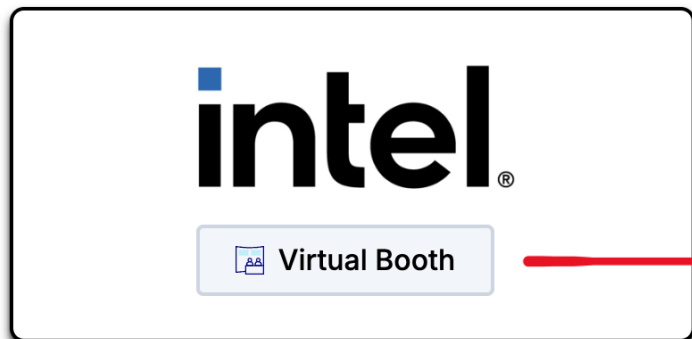The best way to watch this live-stream is on **LinkedIn**.

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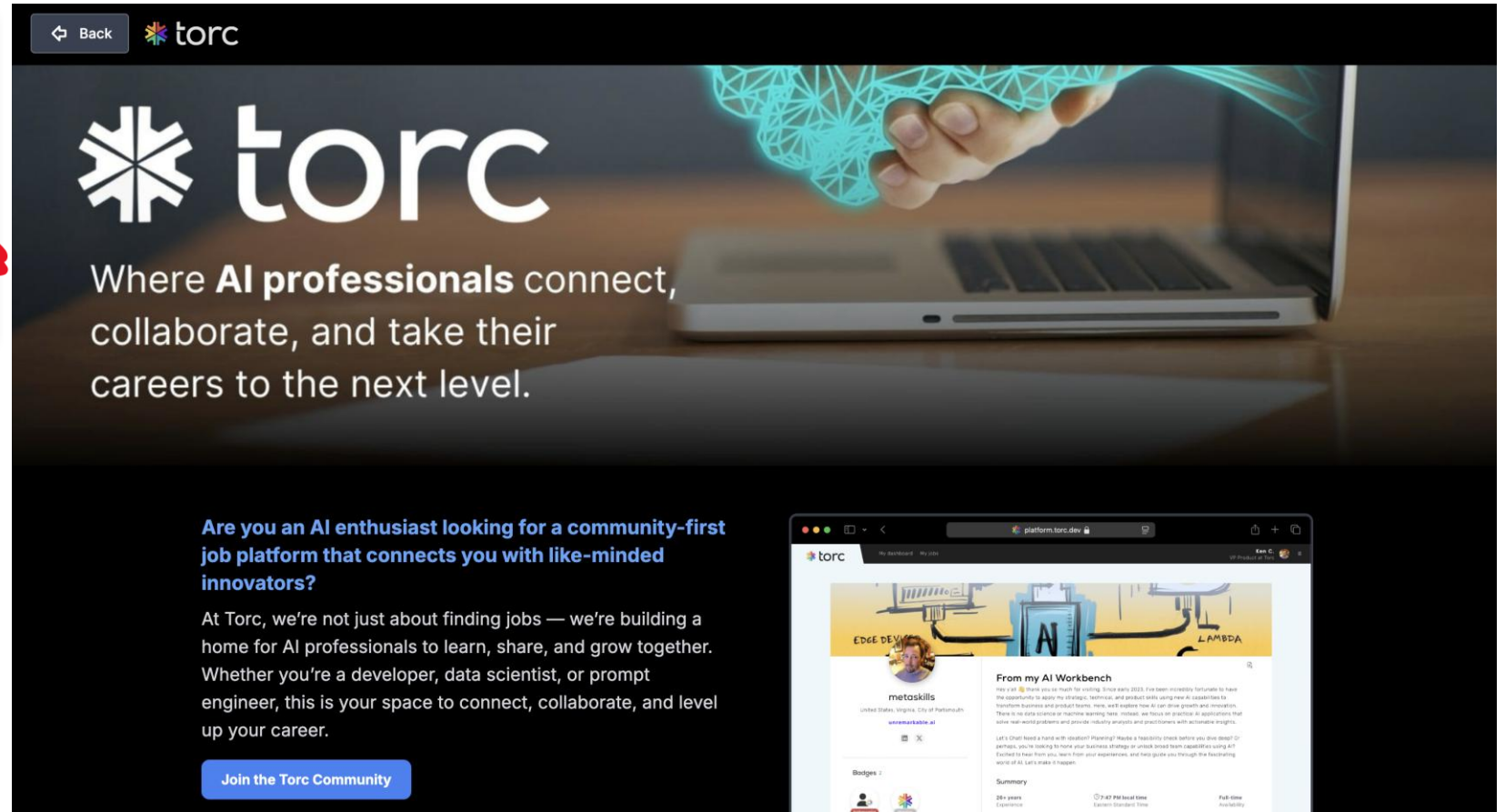
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Week 0 - FAQs

Q: How late can I submit my work?
A: Do your best to submit on time. By the start of next class.
It doesn't matter if it's a day early a day late it will appear the same.
You can even submit weeks late, but the father you are from the due the date the more likely it will affect final grading. Its not worth it to submit late to pack in more.

Q: I can't keep up with every instruction, should I drop out?
A: In the last bootcamp the people that earned high level badges, did their best, and shipped what they had. People who attempted to do everything burned out, and dropped out.
Its more important to ship what you have.

Q: I can't do X because I don't have Y, what do I do?
A: Do your best to adapt lessons to what you have. If absolutely can follow along do to technical requirements, go improve previous assignments.

Q: What takes it to get Red Squad
A: Showing your creatively and exceeding expectations.
Building a custom learning app in the scope of business use-case will out weight all other tasks.
Look out for very specific bonus tasks.
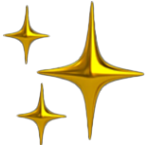
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Week 0 – GenAI Dev and Dev Tools

- Writing with Frontend Code with GenAI

- Writing with Backend Code with GenAI

- Analyzing and Exploring Code when there is a lack of documentation

- Generating test code to gain test coverage

- Rapidly prototyping apps using GenAI

- DevOps (LLMOps) with OPEA