



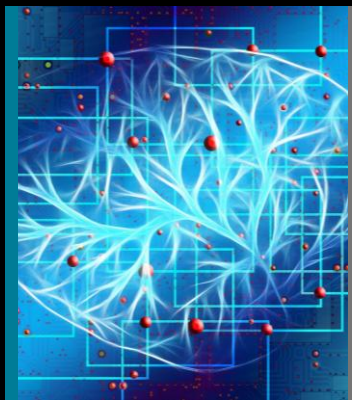
AMD University Program

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Vision

Empower academics with AMD technology to enhance teaching and learning experiences and advance state-of-the-art research.

What We Offer



Research Programs



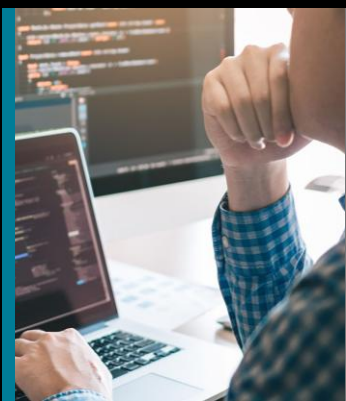
Donation Program



Teaching Resources



Training



Academic Solutions



Support

Academic and Research Community



Students

Affordable access
to AMD products

Build industry relevant skills and
knowledge with AMD products



Educators

University resources
and support

Deliver best-in-class teaching with
AMD educational resources and support



Researchers

Leading-edge
AMD technologies

Advance state-of-the-art
research

ENABLING NOVEL RESEARCH IN HETEROGENEOUS COMPUTE ACCELERATION FOR HPC



Heterogeneous Accelerated
Compute Clusters

HACCS: Heterogeneous Accelerated Compute Clusters

Focus on Systems Research

- Remote access to AMD Acceleration hardware
- HACC user group meetings
- Access to AMD researchers
- Collaboration opportunities



AMD
EPYC

AMD
INSTINCT

AMD
ALVEO

AMD
VERSAL

www.amd-haccs.io

★ Newest HACC at CMU

HACC Adaptive Computing Hardware



- HACC hardware consists of:
 - Compute and Alveo™ nodes (initially U250 and U280 with HBM)
 - Latest heterogeneous nodes (SMC 4124GS) include:
 - EPYC™ 3rd generation CPUs
 - AMD Instinct™ MI210 GPUs
 - Alveo U55C FPGA with HBM
 - VCK5000 ACAP/Versal with AIEs
 - Run-time via AMD ROCm™, XRT
 - SW development via HIP, Vitis, frameworks
 - 100G and 200G network
- Community hub for researchers
 - Support from in-house AMD research groups
 - Reproducible results & experiments



ACCELERATING SCIENCE IN THE PUBLIC INTEREST



AI & HPC Cluster

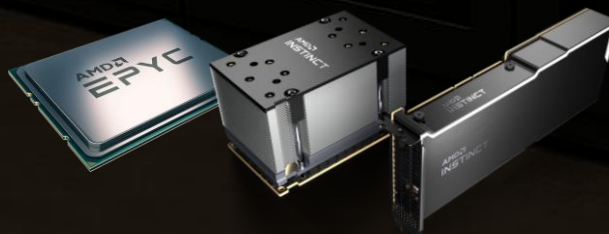
AI & High Performance
Compute Cluster

AMD AI & HPC Cluster

Slurm cluster comprised of AMD EPYC CPUs and AMD Instinct GPUs (MI210, MI250, MI300X, MI325X) connected with a high-speed GPU-aware interconnect.

- ROCm platform for running AI & HPC workloads on Instinct
 - Heterogeneous-Computing Interface for Portability (HIP)
 - Familiar CUDA-like syntax (e.g., hipMalloc, hipMemcpy) to develop portable source code for AMD and NVIDIA accelerators
 - hipify tools for automatic translation from CUDA to HIP
 - Profiling/debugging tools, GPU-accelerated libraries, etc.
- Parallel file system for IO and persistent storage
- ROCm-enabled PyTorch
 - Runs out of the box on ROCm with no code changes

AMD **EPYC** **INSTINCT** + **ROCm**



Need access to more compute nodes or latest generation GPUs?

Node-hour allocations available to academic researchers and educators

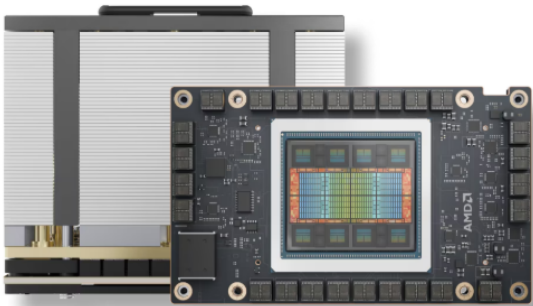
- PIs must be academic faculty or postdocs
- Application-level work (e.g., no `sudo`)

Submit Proposal Here




<https://www.amd.com/en/forms/registration/amd-hpc-fund-research-accelerator.html>

AMD Developer Cloud



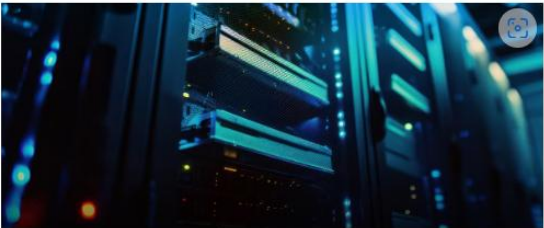
Test Drive AMD Instinct GPUs Instantly

Access high-performance AMD Instinct™ MI300X GPUs through the AMD Developer Cloud — the ideal platform for developers and open-source contributors building and optimizing AI, machine learning, and HPC workloads on AMD hardware.

Sign Up 



Features



Access to Powerful Computing Resources

Provides easy access to AMD GPUs enabling developers to run computationally intensive tasks without investing in dedicated hardware right away.



Pre-Installed Docker Containers and Flexibility

Docker containers preloaded with popular AI software, minimizing setup time, while giving developers the flexibility to customize code to fit their specific needs.



Zero Setup with Cloud-Based Convenience

A Jupyter Notebook environment running inside containers available upon VM launch, with no need for local setup—developers can easily write and run Python code right in the browser.

[Apply now](#)

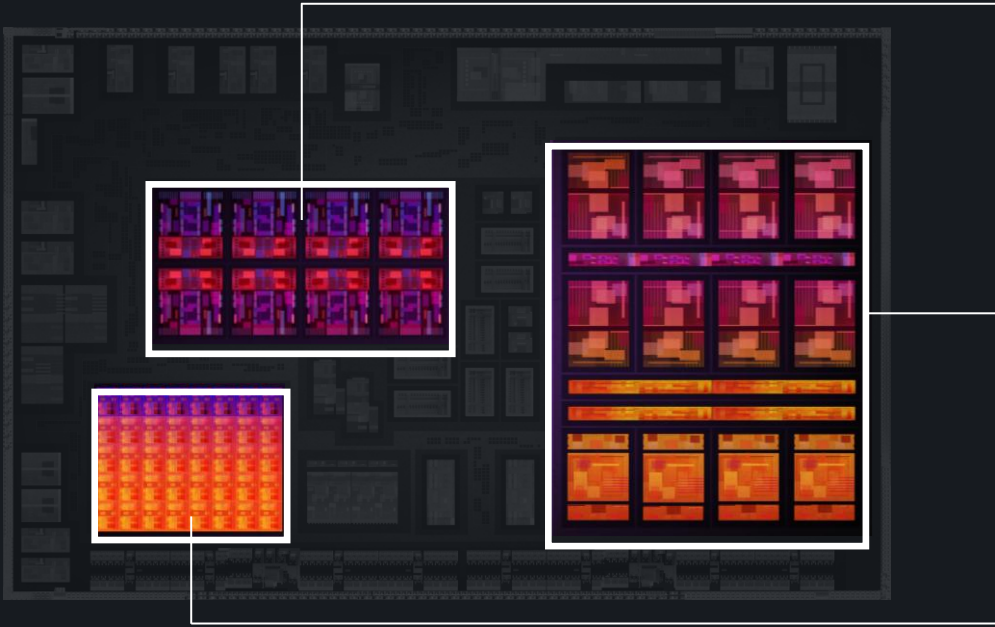





AI PC
**Drive the future of AI in
personal computing**

AMD 
RYZEN AI

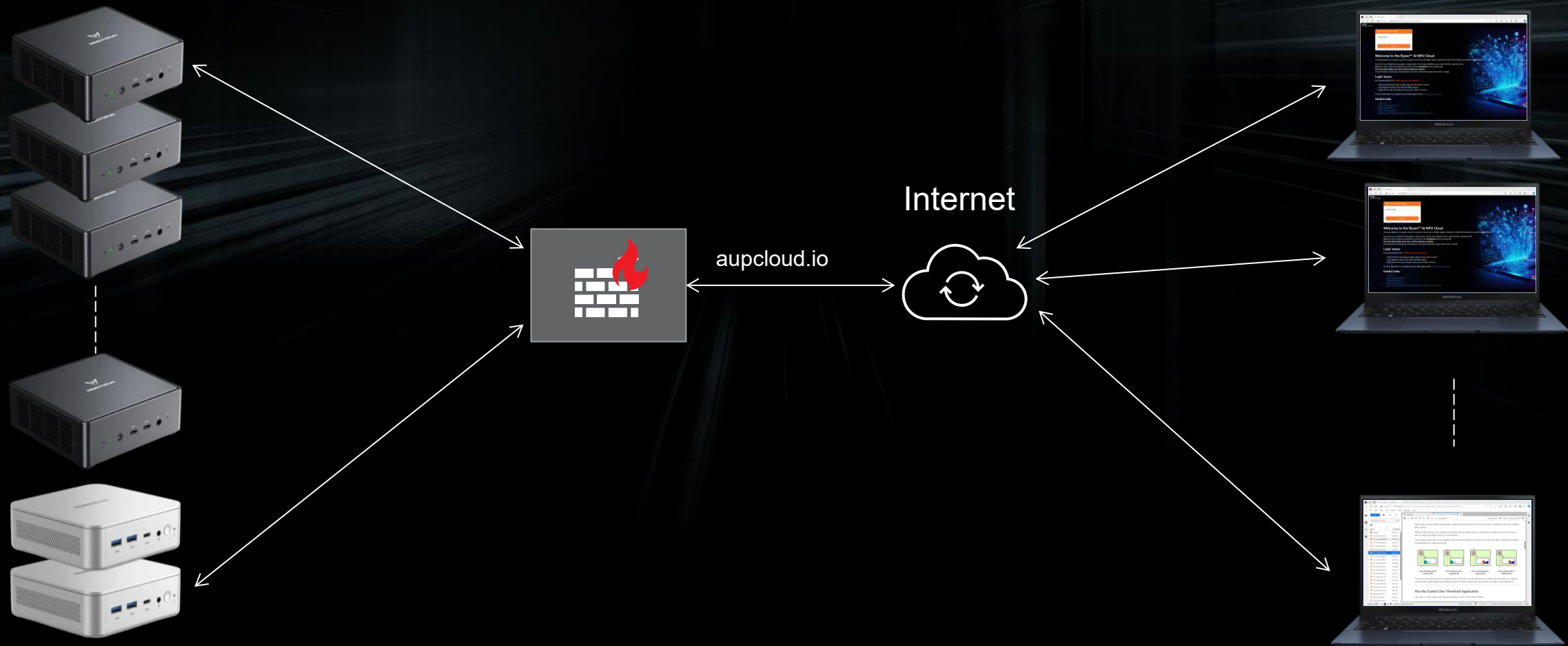
Providing the Next Level of NPU, CPU, and GPU Architectures for Next-Gen AI PC Experiences

3rd Generation
AMD Ryzen™ AI
Best in class AI platform



 AMD RDNA 3.5	Next-Gen GPU Up to 16 Compute Units
 ZEN 5	Next-Gen CPU Up to 12 Cores, 24 Threads
 AMD XDNA 2	Next-Gen NPU Industry-leading 50+ NPU TOPS

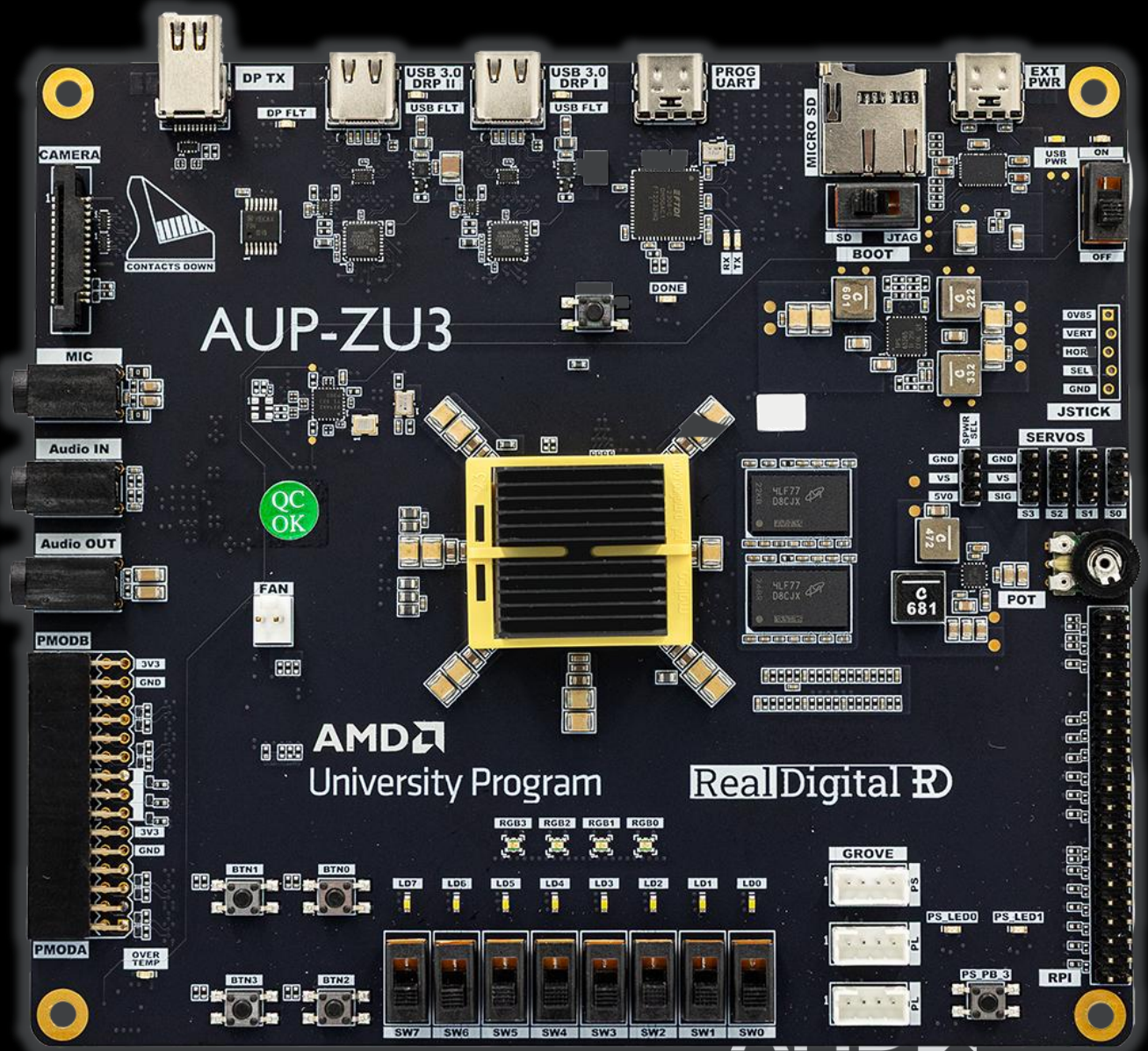
Enabling AI PC Remotely



AUP-ZU3

AMD
ZYNQ
UltraScale+

AMD
PYNQ



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AMD


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AMD University Program - Donation Program

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Step 1

Create AMD Account




- Create your AMD account online
- Activate your account using the code (token)sent to your email
- Sign into the AMD secure website

Create AMD account

Step 2

Complete AUP Enrollment




- After signing in, fill out the AUP enrollment form.
- You'll see a "thank you" message after you submit. Wait 2-4 days.
- You'll receive emails confirming your enrollment and approval.

Complete Enrollment form

Step 3

Access AUP Members site and submit Donation Request



- Click the secure link provided in your approval email.
- Sign in again to the AMD secure website.

Submit Donation Request

Feedback

15 | AMD UNIVERSITY PROGRAM

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AMD Partners

University Program

- Leads interaction with university community
- Coordinates collaborations across AMD partners
- Facilitates research opportunities



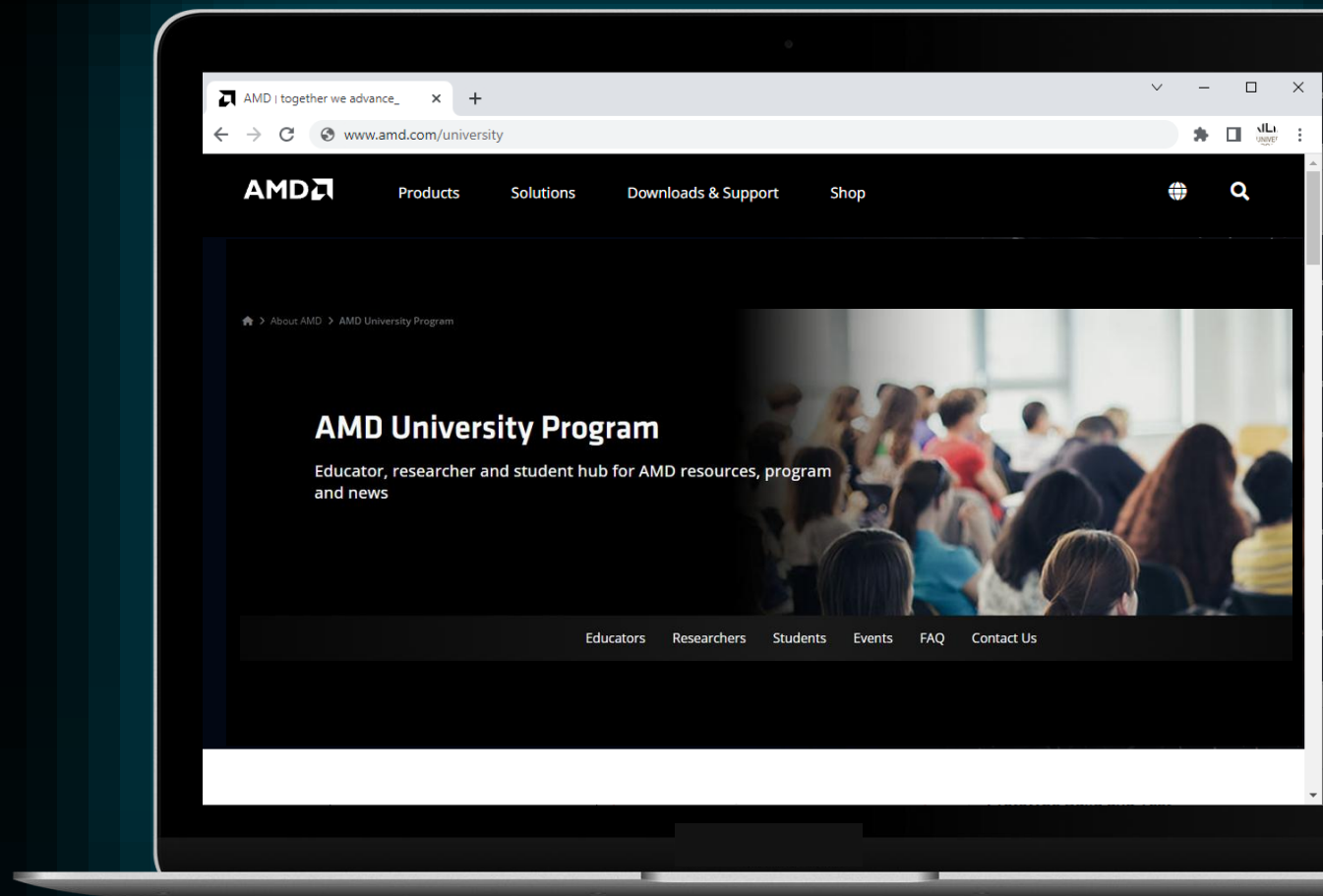
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