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## SMTS Silicon Design Engineer

AMD · Orlando, FL (On-site) · 1 week ago · 27 applicants



\$152,080/yr - \$228,120/yr · Full-time · Mid-Senior level



10,001+ employees · Semiconductor Manufacturing



30 connections · 71 company alumni · 11 school alumni



Skills: Computer Architecture, Problem Solving, +8 more

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### Meet the hiring team



Patrick Harrington · 2nd

Talent Acquisition Partner at AMD

Job poster

31 mutual connections

Message

### About the job

#### WHAT YOU DO AT AMD CHANGES EVERYTHING

We care deeply about transforming lives with AMD technology to enrich our industry, our communities, and the world. Our mission is to build great products that accelerate next-generation computing experiences – the building blocks for the data center, artificial intelligence, PCs, gaming and embedded. Underpinning our mission is the AMD culture. We push the limits of innovation to solve the world's most important challenges. We strive for execution excellence while being direct, humble, collaborative, and inclusive of diverse perspectives. This is who we are at our best. One Company. One Team.

AMD together we advance\_

#### GPU Architect

##### The Role

RTG (Radeon Technologies Group) Architecture team is instrumental to AMD's success. We create innovative hardware solutions and deliver world class GPUs. As a GPU architect with a focus on low power applications, you will be working on exciting projects with the very best and most passionate GPU team in the world.

##### The Person

A self-motivated graphics enthusiast. An effective team player who focuses on collaboration, team building, mentoring and furthering team success.

##### Key Responsibilities

- Work with a team of architects for developing new innovative algorithms in the field of graphics and compute for GPUs (including Low-Power)
- Focus on key workload analysis and identify complex technical problems, break them down, summarize multiple possible solutions, and help the team make advances in Performance, Power, and Silicon Area (PPA).
- Work with subsystem architects to understand performance bottlenecks in Graphics Cores/SoCs
- Understand and improve existing and emerging graphics/compute paradigms and new APIs
- Propose innovative solutions that can be implemented in HW with the best PPA characteristics
- Develop algorithms and architecture for mobile, embedded, integrated, and low-power devices
- Explore architectural innovation in shading/fixed-function GFX pipeline
- Collaborate with engineers and managers on multiple sites

##### Preferred Experience

- Experience across Graphics/Compute architectures, performance analysis and algorithms; HW/RTL experience is a plus

- Excellent C/C++/Scripting (Python, etc.) experience
- Knowledge of Graphics/Compute APIs (DirectX/OpenGL/Vulkan/OpenCL)
- Knowledge of Graphics/Compute use cases and benchmarks
- Knowledge of modern GPU architecture
- Knowledge of OS/Device Drivers is a plus
- Excellent analytical, problem-solving skills and attention to detail
- Strong communication, time management, and presentation skills
- Effective Team player who focuses on collaboration and enabling team successes

#### Academic Credentials

- Bachelor of Science degree with emphasis in Electrical Engineering, Computer Architecture, or Computer Science with relevant experience preferred
- Master or PhD degree with emphasis in Electrical Engineering, Computer Architecture, or Computer Science

At AMD, your base pay is one part of your total rewards package. Your base pay will depend on where your skills, qualifications, experience, and location fit into the hiring range for the position. You may be eligible for incentives based upon your role such as either an annual bonus or sales incentive. Many AMD employees have the opportunity to own shares of AMD stock, as well as a discount when purchasing AMD stock if voluntarily participating in AMD's Employee Stock Purchase Plan. You'll also be eligible for competitive benefits described in more detail [here](#).

*AMD does not accept unsolicited resumes from headhunters, recruitment agencies, or fee-based recruitment services. AMD and its subsidiaries are equal opportunity, inclusive employers and will consider all applicants without regard to age, ancestry, color, marital status, medical condition, mental or physical disability, national origin, race, religion, political and/or third-party affiliation, sex, pregnancy, sexual orientation, gender identity, military or veteran status, or any other characteristic protected by law. We encourage applications from all qualified candidates and will accommodate applicants' needs under the respective laws throughout all stages of the recruitment and selection process.*

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Design Engineer, Orlando, FL

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#### Employer-provided

#### Pay range in Orlando, FL

Exact compensation may vary based on skills, experience, and location.

Base salary

\$152,080/yr - \$228,120/yr

### Put your best foot forward with your application

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### See how you compare to other applicants

#### Top applicants

10%

You're in the **top 10% of 27 applicants** based on your LinkedIn profile

27 Applicants -

0 Applicants in the past day

To maximize your chances of getting this job, be sure to update your profile with the most relevant skills

#### Most common applicant skills

You have **7 out of the 10 most common skills** among all other applicants

✓ Python (Programming Language)

✓ C++

✓ C (Programming Language)

✓ Linux

✓ Computer Architecture

✓ Machine Learning

✓ MATLAB

✓ Verilog

✓ Java

✓ VHDL

#### Applicant seniority level

14 Entry level applicants

1 Senior level applicant

#### Applicant education level

78% have a Master's Degree (Similar to you)

15% have a Bachelor's Degree

7% have a Doctor of Philosophy

#### Applicants are in these locations

1-5 applicants ✓

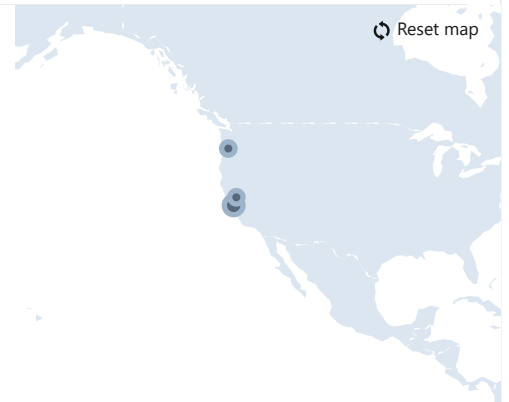
San Francisco Bay Area

1-5 applicants

Greater Sacramento

1-5 applicants

Portland, Oregon Metropolitan Area



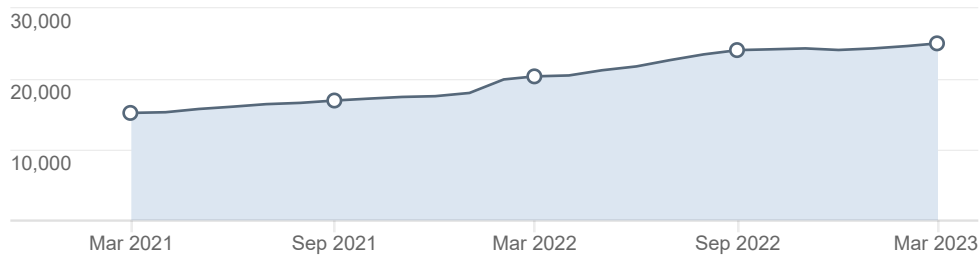
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### See if AMD is hiring people like you

The latest hiring trends.

25,044

Total employees



▲ 65%  
Company-wide  
2 year growth

▲ 47%  
Engineering  
2 year growth

🕒 Median employee tenure · 2.3 years

AMD hires candidates from some of these companies and schools



AMD hired 71 people from Western Digital. [See all](#)



AMD hired 11 people from Ira A. Fulton Schools of Engineering at Arizona State University. [See all](#)

Engineering hires at AMD came from these companies and more.



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## About the company



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For more than 50 years AMD (NASDAQ: AMD) has driven innovation in high-performance computing, graphics, and visualization technologies. AMD employees are focused on building leadership high-performance and adaptive products that push the boundaries of what is possible. Billions of people, leading Fortune 500 businesses, and cutting-edge scientific research institutions around the world rely on AMD technology daily to improve how they live, work, and play... [... show more](#)

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