

Job Posting:175449 - Position: S26 Software Intern - AI Compilers 175449B

Co-op Work Term Posted:	2026 - Summer
App Deadline	12/01/2025 09:00 AM
Application Method:	Through Employer Website
Posting Goes Live:	11/17/2025 01:49 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Tenstorrent Inc.
City	Santa Clara
Province / State	CA

JOB POSTING INFORMATION

Placement Term	2026 - Summer
 Job Title 	S26 Software Intern - AI Compilers 175449B
Position Type	Co-op Position
Job Location	Austin, TX; Santa Clara, CA; or Toronto, ON
Country	Canada or USA
Duration	4 or 8 months
Work Mode	In-Person
Salary Currency	CAD
Salary	Salary Not Available, 0 Major List
Job Description	

Tenstorrent is leading the industry on cutting-edge AI technology, revolutionizing performance expectations, ease of use, and cost efficiency. With AI redefining the computing paradigm, solutions must evolve to unify innovations in software models, compilers, platforms, networking, and semiconductors. Our diverse team of technologists have developed a high performance RISC-V CPU from scratch, and share a passion for AI and a deep desire to build the best AI platform possible. We value collaboration, curiosity, and a commitment to solving hard problems. We are growing our team and looking for contributors of all seniorities.

At Tenstorrent, you will have the chance to accelerate your career by working on challenging engineering problems with a dedicated mentor and the opportunity to move between the digital design, verification, firmware, software and system engineering teams. ?

This role is on-site based in Austin, TX; Santa Clara, CA; or Toronto, ON

Responsibilities:

- Develop machine learning graph compiler
- Participate in the co-design of Tenstorrent's hardware and software stack
- Benchmark, analyze, and optimize performance of key machine learning applications across Tenstorrent's hardware and software stack
- Develop performance analysis and estimation infrastructure that feeds into Tenstorrent compiler
- Develop high-performance run-time engine
- Integrate the Tenstorrent software into leading machine learning frameworks
- Work closely with machine learning engineers to discover the hardware and software requirements of current and future machine learning applications
- Develop novel ML models and primitives that take advantage of Tenstorrent's breakthrough architecture to deliver orders of magnitude performance & efficiency improvements

Compensation for all interns at Tenstorrent ranges from \$50/hr - \$70/hr including base and variable compensation targets. Experience, skills, education, background and location all impact the actual offer made. Tenstorrent offers a highly competitive compensation package and benefits, and we are an equal opportunity employer. This offer of employment is contingent upon the applicant being eligible to access U.S. export-controlled technology. Due to U.S. export laws, including those codified in the U.S. Export Administration Regulations (EAR), the Company is required to ensure compliance with these laws when transferring technology to nationals of certain countries (such as EAR Country Groups D:1, E1, and E2). These requirements apply to persons located in the U.S. and all countries outside the U.S. As the position offered will have direct and/or indirect access to information, systems, or technologies subject to these laws, the offer may be contingent upon your citizenship/permanent residency status or ability to obtain prior license approval from the U.S. Commerce Department or applicable federal agency. If employment is not possible due to U.S. export laws, any offer of employment will be rescinded.

Job Requirements

Experience & Qualifications:

- Final year BS/MS or PhD candidate in EE/ECE/CE/CS with a strong GPA
- Experience with algorithms, data structures, and software development in C/C++. Python expertise is welcome as well
- Familiarity with and passion for any of the following -- machine learning, compilers, parallel programming, high-performance and massively parallel systems, processor and computer architecture -- is a plus
- Strong problem solving and analytical skills

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Cover Letter Required? Optional

Special Application Instructions

Application Link:

<https://job-boards.greenhouse.io/tenstorrentuniversity/jobs/4501189007>

Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website.

Applications are accepted on a rolling basis and the posting may be expired at any time by the employer as submissions are received.

Students should submit their applications as soon as they are ready.