

Job Posting:172872 - Position: W26 Software Development Intern 172872

Co-op Work Term Posted: 2026 - Winter
App Deadline 09/16/2025 09:00 AM
Application Method: Through Employer Website
Posting Goes Live: 09/08/2025 04:11 PM
Job Posting Status: Approved

ORGANIZATION INFORMATION

Organization Arup
Country Canada

JOB POSTING INFORMATION

Placement Term 2026 - Winter
** Job Title ** W26 Software Development Intern 172872
Position Type Co-op Position
Job Location Toronto, ON
Country Canada
Duration 4 months
Salary Currency CAD
Salary 21.0 per hour for 0 Major List
Salary Range \$ \$21 to \$38 per hour
Job Description

Job Title: Software Development Intern (January - April 2026)

Job ID: TOR0001JS

See it differently

You see the world through a unique lens and that's exactly what we need. We embrace how you see things differently - it's essential for creating a sustainable future.

Arup is a global consultancy with advisory and technical expertise across more than 150 disciplines. We guide, plan and design the future of the built environment. Globally, each year we recruit hundreds of interns to help us see things differently and solve the most complex challenges facing our clients, climate and communities.

Developed in-house by Arup, MassMotion is the world's most flexible pedestrian crowd simulation software. MassMotion is based on groundbreaking research into the science of human movement and refined by data from real world projects. The software provides technical analysis of people's movement and refined by data from real world projects, you would be joining a full-time development team passionate about adding features and delivering the product roadmap for this product.

The Opportunity

- Development of critical new features (C++, SQL). This could include agent behaviours, scene management, results analysis, and algorithm design
- Work with a broad user base to understand requirements and solicit feedback
- Validation of MassMotion results through comparison with real-world scenarios or results from other simulation packages

What we offer you

At Arup, we care about each member's success, so we can grow together.

Our intern experience offers you:

- Purpose-driven work: Join an employee-owned team tackling climate, biodiversity, and social challenges, aligned with the UN's Sustainable Development Goals.
- Create remarkable outcomes: We trust you to explore challenges, drive change, and create lasting outcomes for our clients,

climate and communities.

- Inclusive culture: Your unique perspective matters. We celebrate diversity and foster a supportive, social environment where everyone belongs.
- Career growth: Grow your skills through innovative projects, training, and mentoring in a supportive environment. We invest in your future.
- Work-life balance: Our hybrid model offers flexibility to balance work with your life. We balance your needs with our clients and communities

Toronto Hiring Range - The good faith base salary hiring range for this job if performed in Toronto is \$21 to \$38 per hour. **This range is commensurate with experience, educational background, and skill level.** Benefits are not included in the base salary. Please note hiring ranges for candidates performing work outside of Toronto will differ.

Next Steps

We will be reviewing our candidates for this position on a rolling basis. Once you've submitted your application, we'll invite you to showcase your skills through a pre-recorded video interview if you've met the minimum requirements. After reviewing your submission, a member of our team will get in touch with you to discuss the next steps.

Arup is an equal opportunity employer. All qualified applicants will receive consideration without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status, spouse of a protected veteran, or disability.??

Stay safe online. Recruitment fraud is on the rise, and Arup's name, logo, and branding have been used in fraudulent job advertisements. Arup will never ask for bank information as part of our recruitment process.

Different people, shared values

Arup is an equal opportunity employer that actively promotes and nurtures a diverse and inclusive workforce. We welcome applications from individuals of all backgrounds, regardless of age (within legal limits), gender identity or expression, marital status, disability, neurotype or mental health, race or ethnicity, faith or belief, sexual orientation, socioeconomic background, and whether you're pregnant or on family leave. We are an open environment that embraces diverse experiences, perspectives, and ideas - this drives our excellence.??

Guided by our values and alignment with the UN Sustainable Development Goals, we create and contribute to equitable spaces and systems, while cultivating a sense of belonging for all. Our internal employee networks support our inclusive culture: from race, ethnicity and cross-cultural working to gender equity and LGBTQ+ and disability inclusion - we aim to create a space for you to express yourself and make a positive difference. Discover more about life at Arup at www.arup.com/careers/your-life-

Our Toronto office is located on ceded and unceded lands of many nations including the Mississaugas of the Credit, the Anishinabewaki, and the Haudenosaunee (hoe-dee-no-SHOW-nee).?We acknowledge this land and its people to build a shared understanding of how our collective past brings us to where we are today. Through our ever-developing commitments, we strive to strengthen our relationships with this land, its people, and its treaties to shape a better, more inclusive world.?

Job Requirements

Is this role right for you?

- Must be pursuing a bachelor's or master's degree or equivalent
- Demonstrated curiosity about software development
- Experience programming in C++, C#, and/or Python, ideally developing 3D applications
- Familiarity with 3D modeling and/or animation including the use of Maya, 3DSMax, or SketchUp
- Candidate must be eligible to work in Canada without the need for employer sponsored work authorization now or in the future

Preferred:

- Familiarity with 3D modeling and/or animation including the use of Maya, 3DSMax, or SketchUp
- Curiosity about agent-based AI, flocking, and emergent behaviour
- Curiosity about cloud-based computing and web analytics
- Ability to work independently and address technical problems with little supervision.?
- Strong interpersonal and communication skills

We're looking for:

- Changemakers: A passion for sustainable development and creating a better world is key.
- Innovative minds: We're looking for critical thinkers who embrace new ideas and challenge the status quo.
- Growth seekers: You have a growth mindset, always eager to learn and explore new ways of working.
- Adaptable adventurers: You're ready to take on any challenge that comes your way.

Citizenship Requirement

N/A

APPLICATION INFORMATION

Application Procedure Through Employer Website

Cover Letter Required? Optional

Special Application Instructions

Application Link:

<https://jobs.arup.com/jobs/software-development-intern-january-april-2026-29552>

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.