# BUILD YOUR CAREER AT TOWER

The next chapter of your career starts here.
Explore open roles across our departments and global offices.

New

# Software Engineer, C++

Apply

◎ New York

Tower Research Capital is a leading quantitative trading firm founded in 1998. Tower has built its business on a high-performance platform and independent trading teams. We have a 25+ year track record of innovation and a reputation for discovering unique market opportunities.

Tower is home to some of the world's best systematic trading and engineering talent. We empower portfolio managers to build their teams and strategies independently while providing the economies of scale that come from a large, global organization.

Engineers thrive at Tower while developing electronic trading infrastructure at a world class level. Our engineers solve challenging problems in the realms of low-latency programming, FPGA technology, hardware acceleration and machine learning. Our ongoing investment in top engineering talent and technology ensures our platform remains unmatched in terms of functionality, scalability and performance.

At Tower, every employee plays a role in our success. Our Business Support teams are essential to building and maintaining the platform that powers everything we do — combining market access, data, compute, and research infrastructure with risk management, compliance, and a full suite of business services. Our Business Support teams enable our trading and engineering teams to perform at their best.

At Tower, employees will find a stimulating, results-oriented environment where highly intelligent and motivated colleagues inspire each other to reach their greatest potential.

**Responsibilities**

- Design and build simulation engines for trading teams
- Improve trading simulation accuracy compared with production results
- Optimize compilation and run time efficiency for trading simulation
- Creating tools to analyze data for patterns
- Build trading simulation with both historical and live market data
- Design various simulation frameworks required by complex trading strategy setup
- Support trading teams' simulation research on a daily basis

**Qualifications**

- A bachelor's degree in computer science, math, physics, engineering, or a related field
- 0-8 years of experience in software development (within the financial industry is a plus)
- A strong background in data structures, algorithms, and object-oriented programming in C++
- Knowledge of other development languages, including Python, Bash or Shell scripts
- Working knowledge of Linux

- Strong analytical, quantitative, mathematical and problem-solving abilities
- Strong communication skills
- The ability to manage multiple tasks in a fast-paced environment

**Benefits**

Tower's headquarters are in the historic Equitable Building, right in the heart of NYC's Financial District and our impact is global, with over a dozen offices around the world.

At Tower, we believe work should be both challenging and enjoyable. That is why we foster a culture where smart, driven people thrive – without the egos. Our open concept workplace, casual dress code, and well-stocked kitchens reflect the value we place on a friendly, collaborative environment where everyone is respected, and great ideas win.

Our benefits include:

- Generous paid time off policies
- Savings plans and other financial wellness tools available in each region
- Hybrid working opportunities
- Free breakfast, lunch, and snacks daily
- In-office wellness experiences and reimbursement for select wellness expenses (e.g., gym, personal training and more)
- Company-sponsored sports teams and fitness events (JPM Corporate Challenge, Cycle for Survival, Wall Street Rides FAR and more)
- Volunteer opportunities and charitable giving
- Social events, happy hours, treats, and celebrations throughout the year
- Workshops and continuous learning opportunities

At Tower, you'll find a collaborative and welcoming culture, a diverse team and a workplace that values both performance and enjoyment. No unnecessary hierarchy. No ego. Just great people doing great work – together.

Tower Research Capital is an equal opportunity employer.

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## Apply for this job

* indicates a required field

**First Name** *

**Last Name** *

**Preferred First Name**

**Email** *

**Phone** *

**Location (City)** *

Locate me

**Resume/CV** *

Attach

Dropbox

Enter manually

Accepted file types: pdf, doc, docx, txt, rtf

**Cover Letter**

Attach

Dropbox

Enter manually

Accepted file types: pdf, doc, docx, txt, rtf

## Education

**School** *

Select...

**Degree** *

Select...

**Discipline** *

Select...

**Start date month** *

Select...

**Start date year** *

**End date month** *

**End date year** *

Select...

[Add another](#)

**LinkedIn Profile**

**Website**

**How did you hear about this job?**

**Are you currently authorized to work for all employers in the United States on a full-time basis?** *

Select...

**Will you now or in the future require sponsorship for employment visa status (e.g., H-1B status)?** *

**Are you or have you been entrusted with a position or function in any government, international organization (such as the UN or World Bank), or state-controlled or state-owned bank, brokerage firm, or other enterprise?** *

Select...

**Are you an immediate family member of someone holding such a position? An Immediate family member is a parent, sibling, spouse or domestic partner, child, or in-law.** *

Select...

**Have you been employed by Tower Research Capital before?** *

Select...

**Were you referred to this role by a current Tower Research Capital employee? If so, please provide their name.** *

**WHAT WE DO**

(https://tower-research.com)

Quantitative Trading (https://tower-research.com/quantitative-trading/)

Engineering (https://tower-research.com/engineering/)

Liquidity Provision (https://tower-research.com/liquidity-provision/)

Ventures (https://tower-research.com/ventures/)

**WHO WE ARE**

About Us (https://tower-research.com/about-us/)

Offices (https://tower-research.com/offices/)

**WHAT'S NEW (HTTPS://TOWER-RESEARCH.COM/WHATS-NEW/)**

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Culture (https://tower-research.com/culture/)

**CONTACT US (HTTPS://TOWER-RESEARCH.COM/CONTACT-US/)**

https://www.company.com/tower-research-capital/)