

Summer 2025 Software Engineering Internship

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New York, NY

Experience: Undergraduate Juniors up to PhD students

Education: Currently pursuing Bachelor's or Graduate degree in a rigorous Computer Science, Computer Engineering, or other highly-technical field of study

Position Type: 10 Weeks

Opportunity:

PDT Partners – a quantitative investment manager - is seeking talented engineering students for Software Engineering focused internships. Our custom-designed program enables students to contribute to our technology-critical, algorithmic trading business while honing their technical skills.

Students will work closely with highly accessible and supportive senior developers for every project. Mentors are deeply technical hands-on developers who provide guidance during the project, and they are available for design sessions, discussions, and learning throughout the program.

The program's social events - PDT summer picnic, movie nights, ice cream social, bowling night, Yankees/Mets games, board game nights, foo-centric activities, and access to variety of affinity groups all provide excellent opportunities to get to know our team. Even in the instance of a remote internship, we make sure to plan regular events to build a strong sense of camaraderie.

PDT is a fun and collaborative community of passionate engineers, science fiction fans, musicians, martial artists, extreme-sports enthusiasts, volunteers, and foodies who enjoy a non-hierarchical, professional environment. Diversity, Equity, and Inclusion and Philanthropy are part of the fabric of our firm. Part of why we're able to maintain our unique culture is because we're committed to hiring kind people, maintaining a community that fosters a sense of belonging, and using our good fortune to help others outside of PDT.

Projects:

Most of our software is developed in-house for our algorithmic trading business: off-the-shelf solutions simply don't scale to our needs. You will work closely with expert developers on technically-challenging projects to design, develop, debug, and test our software components for large handling of financial data, real-time events, and batch processing.

Depending on the specific project, you may:

- Work on projects that require client and server-side implementation
- Face problems that don't have well-defined solutions - creativity is essential to come up with the best possible answers, including ones that explore new technologies
- Learn about the financial markets, risk metrics, and portfolio management
- Navigate various trading technologies like FIX messaging and order management systems
- Construct, maintain, and analyze large-scale data sets

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You will also learn to correctly apply new idioms, techniques, and algorithms in the following areas:

- Program correctness (resource management, exception safety, reentrancy/thread safety)
- Maintainability (portability, good coding practices, adherence to coding standards, unit testing, documentation)
- Efficiency (optimal data structures/algorithms, understanding of high-/low- level implications and trade-offs in design choices, parallelization)

Ideal candidates have the following knowledge and/or wish to learn more about:

- OOP
- Distributed computing
- Multi-threaded programming
- Scientific Programming

Additional skills & attributes required:

- Interest in working in a world-class, professional environment
- Smart, fast-learner, intellectually curious, problem-solving approach
- Can-do attitude, with sense of urgency
- Strong verbal and written communication skills
- Committed to improvement and keen to apply constructive feedback
- Excellent academic background from a rigorous and challenging computer science program

The salary range for this role is between \$130,000 and \$165,000. This range is not inclusive of any potential bonus amounts. Factors that may impact the agreed upon salary within the range for a particular candidate include years of experience, level of education obtained, skill set, and other external factors.

Apply for this Job

* Required

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Last Name *

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(File types: pdf, doc, docx, txt, rtf)



School *

Degree *

Discipline *

[+ Add another education](#)

Have you tutored or TA'd for any classes? *

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Any personal projects you'd like to share?

What about quantitative finance appeals to you?

Voluntary Self-Identification

For government reporting purposes, we ask candidates to respond to the below self-identification survey. Completion of the form is entirely voluntary. Whatever your decision, it will not be considered in the hiring process or thereafter. Any information that you do provide will be recorded and maintained in a confidential file.

As set forth in PDT Partners's Equal Employment Opportunity policy, we do not discriminate on the basis of any protected group status under any applicable law.

Gender

Are you Hispanic/Latino?

Race & Ethnicity Definitions

If you believe you belong to any of the categories of protected veterans listed below, please indicate by making the appropriate selection. As a government contractor subject to the Vietnam Era Veterans Readjustment Assistance Act (VEVRAA), we request this information in order to measure the effectiveness of the outreach and positive recruitment efforts we undertake pursuant to VEVRAA. Classification of protected categories is as follows:

A "disabled veteran" is one of the following: a veteran of the U.S. military, ground, naval or air service who is entitled to compensation (or who but for the receipt of military retired pay would be entitled to compensation) under laws administered by the Secretary of Veterans Affairs; or a person who was discharged or released from active duty because of a service-connected disability.

A "recently separated veteran" means any veteran during the three-year period beginning on the date of such veteran's discharge or release from active duty in the U.S. military, ground,

naval, or air service.

An "active duty wartime or campaign badge veteran" means a veteran who served on active duty in the U.S. military, ground, naval or air service during a war, or in a campaign or expedition for which a campaign badge has been authorized under the laws administered by the Department of Defense.

An "Armed forces service medal veteran" means a veteran who, while serving on active duty in the U.S. military, ground, naval or air service, participated in a United States military operation for which an Armed Forces service medal was awarded pursuant to Executive Order 12985.

Veteran Status

Voluntary Self-Identification of Disability

Form CC-305
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OMB Control Number 1250-0005
Expires 04/30/2026

Why are you being asked to complete this form?

We are a federal contractor or subcontractor. The law requires us to provide equal employment opportunity to qualified people with disabilities. We have a goal of having at least 7% of our workers as people with disabilities. The law says we must measure our progress towards this goal. To do this, we must ask applicants and employees if they have a disability or have ever had one. People can become disabled, so we need to ask this question at least every five years.

Completing this form is voluntary, and we hope that you will choose to do so. Your answer is confidential. No one who makes hiring decisions will see it. Your decision to complete the form and your answer will not harm you in any way. If you want to learn more about the law or this form, visit the U.S. Department of Labor's Office of Federal Contract Compliance Programs (OFCCP) website at www.dol.gov/ofccp.

How do you know if you have a disability?

A disability is a condition that substantially limits one or more of your "major life activities." If you have or have ever had such a condition, you are a person with a disability. **Disabilities include, but are not limited to:**

- Alcohol or other substance use disorder (not currently using drugs illegally)
- Autoimmune disorder, for example, lupus, fibromyalgia, rheumatoid arthritis, HIV/AIDS
- Blind or low vision
- Cancer (past or present)
- Cardiovascular or heart disease
- Celiac disease
- Cerebral palsy
- Deaf or serious difficulty hearing
- Diabetes
- Disfigurement, for example, disfigurement caused by burns, wounds, accidents, or congenital disorders
- Epilepsy or other seizure disorder
- Gastrointestinal disorders, for example, Crohn's Disease, irritable bowel syndrome
- Intellectual or developmental disability
- Mental health conditions, for example, depression, bipolar disorder, anxiety disorder, schizophrenia, PTSD
- Missing limbs or partially missing limbs
- Mobility impairment, benefiting from the use of a wheelchair, scooter, walker, leg brace(s) and/or other supports
- Nervous system condition, for example, migraine headaches, Parkinson's disease, multiple sclerosis (MS)

- Neurodivergence, for example, attention-deficit/hyperactivity disorder (ADHD), autism spectrum disorder, dyslexia, dyspraxia, other learning disabilities
- Partial or complete paralysis (any cause)
- Pulmonary or respiratory conditions, for example, tuberculosis, asthma, emphysema
- Short stature (dwarfism)
- Traumatic brain injury

Disability Status

PUBLIC BURDEN STATEMENT: According to the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless such collection displays a valid OMB control number. This survey should take about 5 minutes to complete.

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