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**Execution Algorithm Quants**

WorldQuant, a private institutional investment manager, is looking for Execution Algorithm Developers to research and implement execution algorithms using the firm’s in-house software environment.  Success in this role will be measured using tangible benchmarks, and the contribution of the algorithms to the bottom line.

**Responsibilities to include:**

* Improving the existing execution algorithms, using the firm’s trading system
* Developing an execution algorithm research agenda, in collaboration with researchers, using the firm’s simulation environment
* Working with traders to optimize strategy-specific execution algorithms
* Working with trading system team to develop feature specifications, as needed

**Job Qualifications:**

* Ph.D. or M.S. degree from a top tier institution in Mathematics, Operations Research, Economics, Electrical Engineering, Computer Science, or Physics
* Strong record of achievement in respective field
* Good understanding of market microstructure
* At least two years of experience developing execution algorithms or short term trading strategies in a bank, hedge fund or proprietary trading shop
* Superior critical thinking and analytical skills, combined with creativity, innate curiosity, and attention to detail
* Relentless drive to succeed, supplemented by a strong work ethic
* Strong programming skills (acquired academically or through hands-on experience); preference for C++ and Python

Position based in **Greenwich, CT and New York, NY.**

Interested and qualified candidates should submit applications to Igor Tulchinsky, CEO: [igort@worldquant.com](mailto:igort@worldquant.com)