

# William J. Zeng

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Nationality: American

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I work to make quantum technologies useful in new and fundamental ways.

## Current positions

- 2023-Present *Partner, Quantonation*, New York, NY  
Early stage global venture fund investing in deep physics and quantum technologies.
- 2018-Present *Founder, President, Unitary Fund*  
Unitary Fund is an independent non-profit research institute focused on quantum software and open source technology. Supported by government (e.g. 5 year, \$12M DoE collaboration) and industry. Manage \$1M in annual revenue. [unitary.fund](http://unitary.fund)

## Previous Experience

- 2020-2023 *Head of Quantum Technology Research, Goldman Sachs & Co.*, New York, NY  
Built & led team developing quantum and other advanced computing applications for finance.
- 2019 *Adjunct Lecturer, Visiting Scholar Computer Science Dept., Stanford University*, Palo Alto, CA  
Created and taught the new course [CS296Q](#): Introduction to Quantum Programming.
- 2015-2018 *Head of Product (prev. Head of Software & Applications), Rigetti Computing*, Berkeley, CA  
4th hire and first software hire. Built and led software and applications teams and then product team for the launch of some of the world's first quantum processors. Company grew from a handful to 150 headcount. Pitched and raised the \$20M Series A with the CEO, and we went on to raise \$69M+ in VC. Rigetti went public at >\$1Bn valuation in 2022.

## Education

- 2011-2015 DPhil in Computer Science, **University of Oxford**  
My doctoral work applies abstract methods (mainly from categorical algebra) to quantum algorithms and their computational complexity. Advisors: Prof. Bob Coecke & Dr. Jamie Vicary
- 2007-2011 BSc in Physics (Intensive), **Yale University**

## Publications

26 research publications. 15 patents. 1900+ citations. h-index: 20.  
Full updated list available on my [Google Scholar profile](#).

## Awards

- 2023 Schmidt Innovation Fellowship
- 2023 O'Shaughnessy Fellowship
- 2018 Forbes 30 under 30, Science
- 2011 Rhodes Scholarship