

# Steven Kordonowy

## Curriculum Vitae

Boulder, Colorado

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📄 [stevenkordonowy.github.io](https://stevenkordonowy.github.io)

### Education

- 2019–present **Doctor of Philosophy**, *University of Colorado - Boulder, CO*, Computer Science.  
Advised by Dr. Alex Kolla  
Quantum computing, theoretical computer science  
Coursework in Algorithms, Complex Systems, Automata  
Quantum science courses across Computer Science, Physics, Chemistry, and Engineering
- 2010–2014 **Bachelor of Science**, *University of Denver, CO*, Mathematics.  
Minors: Computer Science, Physics, Psychology
- 2012 **Study Abroad**, *Universidad de Buenos Aires, Argentina*.  
Courses in numerical analysis, physics, and Latin culture all taught in Spanish

### Research Projects

- 2020–present **Quantum Complexity of Local Max-Cut**, *Collaborators: Alex Kolla, Adam Bouland, Charles Carlson*.
- 2020–present **Spectral Aspects of Symmetric Matrix Signings**, *Collaborators: Charles Carlson, Alex Kolla*.
- 2012 **Summer Institute in Biostatistics**, *Washington University, St. Louis, MO*.

### Teaching Experience

- 2020 **Discrete Structures (Instructor)**, *University of Colorado*, CSCI 2824.
- 2020 **Intro to Quantum Computing (GTA)**, *University of Colorado*, CSCI/PHYS 3090.
- 2020 **Linear Programming (GTA)**, *University of Colorado*, CSCI 5654.
- 2019 **Computer Systems (GTA)**, *University of Colorado*, CSCI 2400.

### Professional Experience

- 2016–2019 **Software Engineer**, *Nasdaq, Inc*, Lakewood, CO.
- 2014–2016 **Software Engineer**, *IntelliData, Inc.*, Greenwood Village, CO.

### Volunteer

- 2015–2018 **Tech Wizards**, *4H, Sun Valley Youth Center*, Denver, CO .

### Awards

- 2014 **Herbert J. Greenberg Award for Outstanding Achievements in Mathematics**, *University of Denver*.

2013 **Outstanding Mathematics Junior**, *University of Denver*.

2012 **Outstanding Mathematics Sophomore**, *University of Denver*.

## ———— Skills and Technologies

Comfortable programming in any language with expertise in Java, Python, and JavaScript

Quantum circuit programming experience with qiskit and qasm

CP/IP Networking

Common software engineering practices such as git, docker, and command line tools

Cloud computing technologies such as Kubernetes and Kafka

Unix and Windows