

## EDUCATION

- IN PROGRESS **Ph.D. in Computer Science** *University of Texas at Austin.*  
Advisor: Scott Aaronson
- 2021 **M.S. in Electrical and Computer Engineering** *University of Texas at Austin.*
- 2019 **B.S. in Physics** *University of Texas at Austin.*
- 2017 **B.S. in Electrical and Computer Engineering** *University of Texas at Austin.*

## PUBLICATIONS

Author ordering in my field is alphabetical by default (all exceptions below are evident).

- S. Aaronson, **S. Grewal**. Efficient Learning of Non-Interacting Fermion Distributions. *In Submission*. [\[ARXIV\]](#)
- **S. Grewal**, V. Iyer, W. Kretschmer, D. Liang. Low-Stabilizer-Complexity Quantum States Are Not Pseudorandom. *In Submission*. [\[ARXIV\]](#)
- D. E. Koh, **S. Grewal**. Classical Shadows With Noise. *Quantum*: 6, 776 (2022). [\[DOI\]](#)

## EXPERIENCE

### RESEARCH EXPERIENCE

- 2021–PRESENT **Graduate Research Assistant** *Quantum Information Center, UT Austin.*
- SUMMER 2020 **Quantum Computing Research Intern** *Zapata Computing.*
- SUMMER 2019 **Quantum Computing Research Intern** *Zapata Computing.*

### SOFTWARE ENGINEERING EXPERIENCE

- FALL 2020 **Senior Software Engineer** *Zapata Computing.*
- 2017–2019 **Software Engineer II** *Microsoft Corporation.*
- SUMMER 2016 **Software Engineer Intern** *Microsoft Corporation.*
- SUMMER 2015 **Software Engineer Intern** *Microsoft Corporation.*
- SUMMER 2014 **CPU Design Intern** *Intel Corporation.*

## TEACHING

- FALL 2021 **Head Teaching Assistant** *Introduction to Computing Systems, UT Austin.*
- SPRING 2021 **Teaching Assistant** *Combinatorics and Graph Theory, UT Austin.*
- FALL 2019 **Head Teaching Assistant** *Introduction to Computing Systems, UT Austin.*
- SPRING 2019 **Teaching Assistant** *Software Testing, UT Austin.*
- FALL 2016 **Teaching Assistant** *Engineering Programming Languages, UT Austin.*
- FALL 2015 **Teaching Assistant** *Introduction to Computing Systems, UT Austin.*
- FALL 2014 **Teaching Assistant** *Software Design and Implementation, UT Austin.*

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## SKILLS

**Programming/Tools:** Python, Java, Scala, C++, Bash, L<sup>A</sup>T<sub>E</sub>X, Git, vim, macOS, Linux (Debian), TravisCI, Maven, Jenkins, IntelliJ, Visual Studio, AWS, Azure

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## AWARDS

- 2020 **Teaching Excellence Award** *Cockrell School of Engineering*, UT Austin.
- 2015 **Teaching Excellence Award** *Cockrell School of Engineering*, UT Austin.
- 2014 **Teaching Excellence Award** *Cockrell School of Engineering*, UT Austin.
- 2014 **Distinguished College Scholar**, UT Austin, (for being in the top 4% of the college).

*Last updated: October 2022*