

# STEVEN KORDONOWY

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## EDUCATION

**PhD Student, Computer Science** **September 2019 – Present**

*University of Colorado, Boulder, CO*

- Studying theoretical computer science focused on quantum computing
- Coursework includes Theory of Computation, Algorithms, Complexity Theory, and Optimization

**Bachelor of Science, Mathematics** **June 2014**

*University of Denver, Denver, CO*

- Minors in computer science, physics, and psychology
- Major GPA 3.75
- Graduate coursework in mathematics (GPA 3.80)

**IES Abroad** **July – December 2012**

*Universidad de Buenos Aires, Buenos Aires, Argentina*

- Courses in Latin photography, Argentine history, advanced Spanish, numerical analysis and physics, all taught completely in Spanish

## RESEARCH

**Summer Institute in Biostatistics** **June – July 2012**

*Washington University, St. Louis, MO*

- Introduction to theory and applications of statistics in biomedical research
- Worked on small research projects manipulating data sets concerning hypertension using R

**Topics in Chaos Theory** **March – December 2011**

*Professor Nic Ormes, University of Denver, Denver, CO*

- Cellular automata and non-traditional patterns in Conway's Game of Life

## TEACHING

**Teaching Assistant** **September 2019 – Present**

*University of Colorado, Boulder, CO*

- CSCI 2400: Computer Systems
- CSCI 5654: Linear Programming (Graduate level)
- CSCI/PHYS 3090: Quantum Computer Science

**Math Center Assistant** **September 2011 – June 2014**

*University of Denver, Denver, CO*

- Tutored and lead study groups in all areas of math including calculus, algebra, and analysis
- Helped manage peer undergraduate tutors

## PROFESSIONAL EXPERIENCE

**Senior Developer Specialist, Senior Software Developer** **Jan 2016 – August 2019**

*Nasdaq, Inc, Lakewood, CO*

- Manage high frequency trading systems with a focus on risk analytics and management

- Wrote customizable derivative pricing service
- Design and implement microservice architectures managed with Kubernetes and Docker
- Develop data-driven, concurrent stream processing applications with Kafka
- Professional Java programmer with an emphasis on documentation and testing
- Developed relational (PostgreSQL) and non-relational (MongoDB) database schemas

### **Software Engineer**

**June 2014 – Jan 2016**

*IntelliData, Inc., Greenwood Village, CO*

- Managed client facing MVC application with Java (Spring) and JavaScript (jQuery)
- Wrote secure RESTful APIs
- Converted a MySQL database from a flat to normalized structure
- Domain specific language for parsing electronic component identifiers

### **VOLUNTEER**

#### **Tech Wizards**

**Jan 2015 – June 2018**

*Sun Valley Youth Center, Denver, CO*

- Run science experiments, teach basic programming, and mentor kids aged 8-12
- Emphasize the fun side of STEM and getting kids to think about science outside of the classroom

### **AWARDS AND HONORS**

- Outstanding Mathematics Sophomore (2011-2012)
- Outstanding Mathematics Junior (2012-2013)
- Herbert J. Greenberg Award for Outstanding Achievements in Mathematics (2014) given yearly to the highest performing graduating student

### **TECHNOLOGIES AND SKILLS**

- Programming languages: Java, python, javascript, rust
- LaTeX technical writing
- Write both OO and Functional code; data-driven services using stream processing (kafka); emphasis on immutability and secure code
- TCP/IP, sockets, streams
- Test driven development with Spock, Mockito, and JBehave
- maven, git, Docker in Docker CI/CD
- Unix and Windows
- Intermediate conversational and written Spanish