# Chris **Lundberg**

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## **Sk**ills and Certifications

**Data Wrangling:** data acquisition (database, API, web scraping), cleaning, and transformation

**Statistics:** EDA, time series analysis, machine learning (classification, regression, unsupervised learning)

**Programming Languages:** R, Python, SQL, Java, C

**Professional Designations:** CFA charterholder

**Certifications:** AWS Certified Cloud Practitioner, AWS Certified Machine Learning - Specialty

## **Exp**erience

### **LAB Quantitative Strategies**                    *Denver, Colorado*
QUANTITATIVE RESEARCHER                               *2023-Present*

- develop and deploy VIX-based tail risk hedging strategies
- implement and maintain internal Python libraries for backtesting and portfolio optimization
- implement GraphQL APIs for risk and performance attribution
- research cross-asset carry strategies and QIS bank swaps for potential inclusion in the fund

### **Charles Schwab Investment Management**          *Lone Tree, Colorado*
QUANTITATIVE RESEARCH ANALYST                        *2021-2023*

- implemented changepoint detection models to generate automated alerts for ETFs that exhibit changes in bid/ask spreads
- applied dimensionality reduction and clustering techniques to investment manager holdings and risk data to generate data-driven peer groups
- partnered with product and engineering teams to develop new ETFs and multi-asset strategies
- collaborated with data scientists and quantitative analysts across the firm to evaluate new data sets and technology

### **Segall Bryant & Hamill**                        *Denver, Colorado*
QUANTITATIVE RESEARCH ANALYST                        *2018-2021*

- empowered investment teams across public and private markets with data and insights to improve investment decision making
- built equity risk and alpha models, managed data acquisition and processing, and designed dashboards and interactive applications
- conducted research and due dilligence on hedge fund, private equity, and venture capital investment managers

### **Tennant Company**                               *Denver, Colorado*
TECHNICAL SALES SPECIALIST                           *2016-2018*

- developed diagnostic tools that improved service response times for a fleet of IoT devices

### **Schlumberger**                                  *Denver, Colorado*
TECHNICAL SALES ENGINEER                             *2014-2016*

- worked with a cross functional team to develop new solutions from prototype to launch

## **Edu**cation

### **Georgia Institute of Technology**              *Atlanta, Georgia*
MASTER OF SCIENCE - COMPUTER SCIENCE                *May 2023*

- relevant coursework: Artificial Intelligence, Reinforcement Learning, Network Science, Deep Learning

### **MSU Denver**                                   *Denver, Colorado*
BACHELOR OF ARTS - MATHEMATICS/STATISTICS           *June 2018*

- relevant coursework: Probability Theory, Statistical Theory, Regression and Computational Statistics

### **University of Denver**                         *Denver, Colorado*
MASTER OF MUSIC - PERCUSSION                         *June 2013*

- relevant coursework: Introduction to Graduate Studies, Entrepreneurial Opportunity and Feasibility

### **University of Denver**                         *Denver, Colorado*
BACHELOR OF MUSIC - PERCUSSION                       *June 2011*

- relevant coursework: General Psychology, Classics in Ethics, Physics I