Dan Boxler
blah

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EDUCATION

- **University of Colorado** — Colorado Springs, CO
  Master of Science in Computer Science; GPA: 3.98 — *Jan. 2016 – May 2020*

- **Colorado State University** — Fort Collins, CO
  Bachelor of Science in Computer Science — *Aug. 2010 – May 2015*
  Bachelor of Science in Business Administration — *GPA: 3.88 Cum Laude*

EXPERIENCE

- **NETSCOUT Systems** — Colorado Springs, CO
  Software Engineer III — *Jul. 2015 - Present*
  - **nGeniusPULSE**:
    * **High Availability**: Designed and implemented high availability solution using database replication and failover strategies
    * **Inventory APIs**: User friendly HTTP API leveraging MongoDB On-Demand materialized views
    * **Authentication**: Transparent token-based authentication service using NGINX and MongoDB
  - **Handheld Network Tools**:
    * **High Availability**: Designed and implemented high availability solution using database replication and failover strategies
    * **Inventory APIs**: User friendly HTTP API leveraging MongoDB On-Demand materialized views
    * **Authentication**: Transparent token-based authentication service using NGINX and MongoDB

- **VISA** — Highlands Ranch, CO
  Software Engineering Intern — *Jun. 2013 - Aug. 2013, May 2014 - Aug. 2014*
  - **VisaNet Integrated Payment (VIP) system**: Developed software under the IPM z/TPF (Transaction Processing FAcility) operating system using IPM 370 z/architacture HLASM (High Level Assembler)

- **Lucena Research** — Atlanta, GA
  Data Scientist — *Summer 2012 and 2013*
  - **Portfolio Management**: Created models for portfolio hedging, portfolio optimization and price forecasting. Also creating a strategy backtesting engine used for simulating and backtesting strategies.
  - **QuantDesk**: Python backend for a web application used by hedge fund managers for portfolio management.

- **Georgia Institute of Technology** — Atlanta, GA
  Research and Teaching Assistant — *Jan 2012 - Dec 2013*
  - **Research Assistant - Machine Learning**: Research on machine learning for portfolio hedging and replication algorithms. Modeling low-risk & continuous-return strategies. Developed the python library QSTK.
  - **Teaching Assistant - Computational Investing**: The online course on Coursera, had more than 100,000 students enrolled. It was featured on the 11 Alive News and the Atlanta Journal Constitution. Involved in creating assignment, exams and conducting recitation sessions. Also taught the on-campus version of the course.

PROJECTS

- **QuantSoftware Toolkit**: Open source python library for financial data analysis and machine learning for finance.
- **Github Visualization**: Data Visualization of Git Log data using D3 to analyze project trends over time.
- **Recommendation System**: Music and Movie recommender systems using collaborative filtering on public datasets.
- **Mac Setup**: Book that gives step by step instructions on setting up developer environment on Mac OS.