Alex (Yuri) Kolchinski

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Education

Stanford University, Stanford, CA – 2016-present
PhD Learning Sciences and Technology Design, in progress. Stanford Graduate Fellow.
Advised by Dean of Education Dan Schwartz. Research assistant for Professors Emma Brunskill and James Landay.
Conducting research in building better tutoring software with machine learning techniques (NLP and RL).
Published in Learning@Scale and EMNLP.
President, Social Chair: Stanford Alpine Club.

The University of Chicago, Chicago, IL – 2010-2014
Joint BS/MS in Computer Science (AI/Machine Learning specialization) with minor in Statistics.
First-ever University of Chicago undergraduate to earn MS in Computer Science in four years.
Cumulative GPA: 3.84/4.00; Phi Beta Kappa. Nominated for the Rhodes Scholarship.
President, Engineering Society. Officer, Men's Rugby. Violinist, University Symphony. Alumni chair, Delta Kappa Epsilon.

Winchester High School, Winchester, MA – Class of 2009
Perfect scores on all three SAT sections and ten AP exams.
Math team founder and captain, individual high scores in the AIME and USAMO competitions.

Experience

Vorstella, Redwood City, CA: **Data Science and Product Management Consultant** 2016 - 2018
- Consulted with corporate clients to develop better business strategies by exploiting available data.

Google, Mountain View, CA: **Associate Product Manager (APM)** 2014 - 2016
- Member of the 2014 class of Google's APM fast-track leadership program.
- PM for Data Quality for Google Consumer Surveys (GCS) 2015-6.
  - Researched effective approaches for collecting, processing and delivering survey data and led efforts cross-functionally to implement them.
  - Developed media strategy for spreading awareness of GCS; organized GCS presence on-site at presidential debates and gave media interviews.
- PM for Google's Dynamic Search Ads product, responsible for a substantial part of Google's revenue. (2014-5)

Google, Mountain View, CA: **Software Engineering Intern** (June - September 2011 and June - September 2013)
- Worked across teams to identify and implement performance improvements in Google Search infrastructure.
- Developed a patch for BIND, the most widely used DNS server software on the Internet.

Jane Street Capital, New York, NY and Hong Kong: **Trading Intern** (June 2012 – September 2012)
- Analyzed historical data sets to devise and test equity trading strategies.
- Collaborated with trading and software interns to develop algorithmic trading software for competition.

EnglishCentral, Arlington, MA: **Systems Analyst** (June 2009 – June 2010)
- Developed front- and back-end functionality of the EnglishCentral language learning software suite, including database optimization with MySQL and NoSQL databases and algorithms based on psychological research.

Skills

Languages: C, C++, Java, Python, JavaScript.
Machine learning and data analysis tools: TensorFlow, PyTorch, scikit-learn, Jupyter, NumPy, SciPy, Pandas, and others.
Fluent in Russian, conversational in French.

Interests

Travel - backpacked around world twice; taught math and English in rural Nepal for 3 months of 2016.
Sailing, climbing, mountaineering and backcountry skiing.