Scott Clark

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www.scottclark.io

Not looking for new job opportunities

Education

Cornell University

Ithaca, NY

Ph.D. Applied Mathematics, M.S. Computer Science

2008 - 2012

- Department of Energy Computational Science Graduate Fellow (Full Scholarship, 4 years)
- Machine Learning, Data Science, Data Mining in bioinformatics and global optimization

Oregon State University

Corvallis, OR

B.Sc. Mathematics, B.Sc. Computational Physics, B.Sc. Physics

2004 - 2008

- Graduated Magna Cum Laude with three Bachelors of Science degrees in four years

Research and Work Experience

SigOpt Inc

San Francisco, CA

Co-founder and CEO

November 2014 - current

- Helping lead a world class team to eliminate expensive trial and error from every experts workflow. Using cutting edge optimization behind a simple API to help tune machine learning models and build better products in a variety of fields.
- Raised over \$8.8M in angel, seed, and Series A VC rounds led by Andreessen Horowitz (a16z) and YCombinator (YC W15). Additional investors include SV Angel, Data Collective (DCVC), Blumberg Capital, Stanford University, and others.
- Presented SigOpt to many thousands of experts and executives in many fields through hundreds of briefings and high profile conferences around the world.

Yelp Inc

San Francisco, CA

Data Mining Engineer and Lead on Ad Targeting Team

July 2012 - December 2014

- Co-developed and led team for MOE: the Metric Optimization Engine
 (github.com/Yelp/MOE, an open source optimization framework), found significant gains in different metrics across the organization using Bayesian Global Optimization algorithms.
- Implemented multi-armed bandit strategies for ad selection, sole targeting engineer on mobile app ads rollout, developed new location-based targeting algorithms, advised and helped develop other machine learning and math based targeting projects.
- Created, implemented, and directed yelp.com/dataset_challenge, gave tech talks across the country, led events, gave hundreds of technical interviews, closed candidates.

Bloomberg LP

New York, NY

Financial Software Development Intern

Summer 2011

- Implemented statistical models to perform forward and backward portfolio analysis

DOE Joint Genome Institute (Lawrence Berkeley National Lab)

Walnut Creek, CA

 $Researcher\ in\ Analysis\ Group\ under\ Dr.\ Zhong\ Wang$

Summer 2010

- Used machine learning to mine TBs of genome data efficiently using novel likelihood function

Los Alamos National Laboratory

Los Alamos, NM

Researcher in Metagenomics Group under Dr. Nick Hengartner

Summer 2009

- Used statistical models to discover sequence alignments using parallel algorithms on GPUs

Oregon State University

Corvallis, OR

Research Assistant under Prof. Malgorzata Peszynska and Prof. Rubin Landau

2005-2008

- Finite element analysis with uncertainty and web-based teaching in Java

Max Plank Institute for the Physics of Complex Systems

Dresden, Germany

NSF REU Research Assistant under Prof. Steven Tomsovic

 $Summer\ 2007$

- Research on extreme value statistics in MATLAB and FORTRAN

University of California: Davis

Davis, CA

NSF REU Research Assistant under Prof. Daniel Cox

Summer 2006

- Computational biophysics research as applied to protein folding in Java

Writing and Awards

- 2016 Forbes 30 Under 30: Enterprise Tech. http://onforb.es/10ILpBZ
- Department of Energy Computational Science Graduate Fellow: Four year full fellowship. ~20 awarded nationally per year. Won the Communicating Science award (bit.ly/VbcTZK).
- SigOpt Blog: Posts talking about using SigOpt to optimize everything (blog.sigopt.com).
- Yelp Blog: Wrote several posts announcing the open sourcing of MOE, the Yelp Dataset Challenge and more. bit.ly/1x73xdr, bit.ly/1oCCZvv, bit.ly/1s0sEBS, bit.ly/1p1X7Hk
- Press: WSJ: on.wsj.com/VaOvqQ, Cornell: bit.ly/1oB2dzm, DIEXIS: bit.ly/1oofb14

Skills

- Numerical Analysis and Computer Science: Machine Learning, Data Mining, Optimization, Computational Science, Artificial Intelligence, Linear Algebra, Monte Carlo Methods, ODEs, PDEs, Iterative Methods, Parallel Programming, Distributed Systems, Data Structures
- Tech Stack: Python, numerical libraries, linux, git, vim
- Public Speaking: I've given several hundred technical talks to audiences at machine learning conferences, Fortune 500 boards, and beyond.
- Exploring and implementing ideas. Give me an API/dataset and a problem and I will figure it out.