

Dr. June Andrews

Principle Data Scientist, Wise.io, from GE Digital
San Francisco, CA

April 11, 2019

june@juneandrews.com
linkedin.com/in/DrAndrews
Cell: (415)906-9228

Research and Work Experience

- **Wise.io, from GE Digital**

- *Principle Data Scientist*

May 2017 - June 2019

- Designed and led large Aviation collaboration, across 7 time zones, for introducing machine learning into real-time airplane engine maintenance management. Scope of project was all airplane engines monitored by GE, who manufactures 60% of the world's jet engines. Built key production ML components.

- **Pinterest**

- *Data Scientist*

October 2015 - April 2017

- Created the Signal Program: process for designing, evaluating and launching signals.
- Created the Signal Repository: all known information on thousands of signals.
- Signal Analysis: analyzed the strengths and weaknesses of signals for key data products.
- Data Ecosystem: analysis of signal impact on creating personalized experiences for users.
- Data Products: Category & Performance Signals, Spam Free Data and search experiments.
- Signal programs and analysis directly impacted 50+ machine learning engineers.

- **Startup**

- *Data Scientist*

June 2015 - Sept 2015

- Initial data stack including metrics and product scoping for Series B health care startup.

- **LinkedIn**

- *Staff Data Scientist & Tech Lead*

Sept 2013 - June 2015

- Helped hire, onboard and grow a team of 11 data scientists working on consumer analytics.
- Embedded data scientist in the Growth Team working to systematically identify, scope and experimentally test areas of opportunity.
- Product expertise includes: Connections, Follows, User Engagement and Registration
- Social Economic analysis: Viral Content, Gender Balance, LinkedIn Growth and Job Referrals
- Data Product Prototypes: Delphi, What You Missed and Follows

- **Yelp Inc**

- *Search and Data Engineer*

June 2012 - Aug 2013

- Built data pipelines and metrics for Search Experiments, User Engagement and Happiness
- Experimental Improvements to Search Result Rankings
- Data Product Prototypes: Query Normalizer, Human Eval for Search, Personalized Search and Qype Data Ingestion

- **Facebook Inc**

- *Growth and Product Insights Intern*

Summer 2011

- Analyzed acceleration and deceleration of user engagement with Facebook

- **Cornell University**

- *Networks Research with Prof. John Hopcroft*

2010-2012

- Researched and computed structure of communities in large networks. Studied evolution and flow of information between communities in social, collaborative, and similarity networks.

Head Teaching Assistant for Java and Discrete Math (600+ students & 27 TAs) 2011 - 2012

Lecturer for Functional Programming and Data Structure (2nd foundational course) 2010

Research Assistant with Prof. Alexander Vladimirsky 2007-2009

- Researched computing PDEs to minimize the expected response times of ambulances

University of California, Berkeley

- *Research Assistant with Prof. James Sethian* 2005-2007

- Created variations of the Traveling Salesman Problem. Solved adaptations with PDEs.

San Diego Supercomputer Center

- *NSF REU Research Assistant under Amit Majumdar for parallel data transfer* Summer 2005

Education

- **Cornell University** Ithaca, NY
Ph.D. Applied Math, M.S. Applied Math, emph in Social Networks 2007 - 2012
- **University of California, Berkeley** Berkeley, CA
B.Sc. Electrical Engineering and Computer Science, minor in Applied Math 2003 - 2007

Skills

- **Current Coding:** Python(advanced), Map-Reduce frameworks(advanced), Hive
- **Prior Coding:** Pig, JavaScript, Java, Hadoop, C/C++, MPI, R
- **Network Analysis:** Social & Economic Trends, Community Detection, Structure of large networks
- **Numerical Analysis:** Optimization, PDEs, Linear Algebra, Iterative and Non-Iterative Methods
- Diverse background in Math and CS promotes rapid development of new skills as needed

Selected Talks and Publications

- **Code Enterprise - Speaker**
Pinterest Data Science 2016
- **Strata NY - Featured Speaker**
Replication in Data Science 2016
- **Structure Data - Panelist**
Doing Unicorn-Scale Data Science 2016
- **Strata San Jose - Featured Speaker**
Economic Insights from the LinkedIn Network 2015

- **Sentiment Analysis Summit in San Francisco - Keynote**
Search, Growth & Engagement Metrics: Snake Oil or North Stars? 2015
- **PNAS - Author**
Fast Marching Methods for the continue Traveling Salesman Problem 2007

Hobby Data Science Projects

- **Academic Relations:** National Science Foundation panels, UC Berkeley Extension Board and teaching classes for UC Berkeley School of Information's Master in Data Science program.
- **Emerging Speakers in Tech:** Created a supportive community for conference speakers.
- **Additional:** Book reviews for O'Reilly Media and advising for developing data scientists