

Jonathan Ma

DATA SCIENTIST · COMPUTER SCIENCE MAJOR AND ECONOMICS MINOR · UNIVERSITY OF WATERLOO

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About Me

Programming C++/C · Python · NodeJS · Bash
Analytics IPython · SQL · Tableau · Excel/VBA · R
Web/Media Express · Flask · HTML/CSS/Javascript · Photoshop · Premiere Pro

Experience

BuzzFeed

New York, NY

ASSOCIATE DATA SCIENTIST - CONTENT TEAM

Apr. 2017 - Now

- Presented multiple analyses and gave recommendations to our Facebook content and curation team
- Worked on and implemented our H2 goals for Facebook while proposing new success metrics for Facebook
- Wrote company-wide weekly metrics reports

Microsoft

Redmond, WA

PROGRAM MANAGER INTERN - WINDOWS SERVER SECURITY TEAM

May. 2016 - Aug. 2016

- Owned and designed an IT security product based on shielded Virtual Machine technology that lets organizations easily deploy privileged access workstations
- Implemented multiple iterations of the prototype and presented them to potential customers
- Wrote product specs to work with developers and designers on the development of the product

Facebook

Menlo Park, CA

DATA SCIENTIST INTERN - GROUPS TEAM

Sep. 2015 - Dec. 2015

- Presented multiple analyses on time spent in Groups while recommending product features and team core metric goals
- Worked with Group growth team on Highlight Notifications to improve audience targeting increasing click-through rate
- Led the Click Pacing project for Highlights and analyzed experiments to propose strategies
- Built data pipelines and dashboards for future analysis on time spent

LinkedIn

Mountain View, CA

SOFTWARE ENGINEER INTERN - GRAPH TEAM

Jan. 2015 - Apr. 2015

- Designed and implemented query persistence on the new generation graph database that would be the core of the Economic Graph
- Analyzed performance on our query processor to find bottlenecks
- Developed a framework around Norbert and Kafka to test for correctness on new builds in our distributed systems

Citadel

Chicago, IL

FINANCIAL TECHNOLOGY ASSOCIATE INTERN - OPTIONS TEAM

Jun. 2014 - Aug. 2014

- Developed in C++, a high performant multithreaded WebSocket server serving all the traders' browser to replace an existing C++ GUI
- Improved performance from the old GUI by using low lock times, non-blocking I/O, async events and caches

Project

Predictious Trading Bot

- Wrote a bot in Python to trade DJI/Gold/Silver contracts using Black-Scholes binary option pricing

Nessie: Key-Value Store using RDMA

- Implemented features in the paper and wrote applications on top of Nessie as a Research Assistant

Bloomberg

- Won first place for Pagerduty API during Hack the North with a real time stock monitoring app

Rotman International Trading Competition

- Developed quantitative strategies and applied them during the competition against undergraduate and graduate students from schools around the world