

# Bobby Nixon

Fullstack Engineer

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## Work Experience

### Geneva Trading

Chicago, IL

Quantitative Analyst

June 2018 - August 2018

- Worked as part of the Principle Strategies team (GTM) focusing on statistical arbitrage and low latency market making in the global futures markets.
- Utilized signal processing and machine learning techniques to create an algorithm for the detection and forecasting of patterned trading behavior.
- Utilized KDB+/Q to conduct research and analysis on time series data to identify signals and trends used to inform trading strategies.

### Kennedy For Illinois

Chicago, IL

Economic Policy Analyst/Data Scientist

June 2017 - October 2017

- Led team of four to produce robust analysis of regressivity in the Illinois property tax system.
- Utilized Python to scrape and compile millions of data points on home sales and valuations.
- Conducted exhaustive analysis on pension liquidity and asset development.
- Produced predictive model for public school student outcomes based on property tax data.

### Deimos Asset Management LLC

New York, NY

Long/Short Equity Analyst

Jun 2016 - Aug 2016

- Conducted macro-economic and fundamental equity research for multiple portfolio managers at the fund.
- Utilized original and sell-side research to build M&A and DCF valuation models for select companies.
- Gained exposure to various trading strategies including global macro, FX, options, and index re-balancing arbitrage.

### National Geographic Society

Washington, DC

Expedition Coordinator

August 2015 - Present

- Through the effort and as part of the ongoing Aspen Institutes High Seas Initiative the United Nations Secretary-General has created a UN Special Envoy for the Ocean.
- Worked with Obama White House resulting in an executive order to create the Papahānaumokuākea Marine National Monument a 582,578 square mile area of land and sea now under permanent ecological protection.
- Utilized Pisces V submersible for research in deep-mesopelagic zone resulting in scientific discovery. Won the 2nd prize in final evaluation.

### American Heroes Saltwater Challenge

Washington, DC

Co-Founder and Coach

2008 - Present

- Volunteer to organize annual trip for 15 combat wounded veterans from Bethesda Naval Hospital to Martha's Vineyard for a week long fishing and golf tournament with over 50 volunteers.

## Education

### Harvard University Extension School

Cambridge, MA

B.S. in Mathematics, Secondaries in Economics & Quantitative Analysis - GPA: 3.58

September 2016 - May 2019

## Extracurricular Activity

### Harvard Men's Rugby

Cambridge, MA

First team selection as scrumhalf, Ivy League

February 2015 - May 2018

- Led team to multiple Ivy League and National Championship Contests in 15's and 7's

### Harvard Investment Association

Cambridge, MA

Member

February 2015 - May 2018

- Prepared stock pitches for board and participated in weekly meetings with topics ranging from investment banking to market efficiency and behavioral finance.

## Skills

- JavaScript, R, Python, Mathematica, KDB+, Q, Data Science, Time Series Analysis, &  $\text{\LaTeX}$