GARRETT SUTHERLAND

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EDUCATION

University of Maryland   **College Park, MD**
Bachelor of Science in Physics & Bachelor of Science in Mathematics   *Graduated: May 2016*
  GPA: 3.8 / 4.0
  Honors: University Honors, Dean's List, Presidential Scholarship, Bardasis Scholarship
  Bloomberg Aptitude Test: 99th percentile, July 2015 Hall of Fame —Top 5

PROFESSIONAL EXPERIENCE

Macquarie Group   **New York, NY**
Analyst, CGM Derivatives Equity and Trading: Index Arbitrage   *June 2018 – Present*
- Reduce index prediction time from days to minutes using data intensive models and VBA
- Write and version BBG linked Python programs to catch and interpret index changes instantly
- Manage rebalances, M&A replacements, and corporate actions for 80 indexes around the globe
- Responsible for the accuracy and timeliness of research behind 100m a side arbitrage books

Trillium Trading   **New York, NY**
Equity Trader, Proprietary Trading   *September 2016 – May 2018*
- Made split-second decisions based on event driven opportunities to allocate up to $400k
- Conducted extensive research on stocks with high implied volatility in preparation for catalysts
- Created and maintained a Python web-scraper to get short reports and IPR decisions in real-time
- Designed and built a neural network to predict the downside of a stock if subject of a short report

CFRA Research   **Rockville, MD**
Equity Research Analyst, Research   *March 2015 – August 2016*
- Built financial models to expose risks that could negatively impact a securities' future price
- Wrote the market consensus for company reports and updated the prose of industrial reports
- Analyzed supplemental filings to examine Texas based banks' exposure to the price of oil

EXTRACURRICULAR ACTIVITIES

University of Maryland   **College Park, MD**
Magneto-Optical Lab Intern, Condensed Matter Group   *April 2014 – September 2014*
- Led hot wire anemometry data analysis using governing equations for flow, impurity and temperature
- Created a Matlab script to visually present the 3D intensity of a laser to help tuning efforts
- Designed and fabricated a pyroelectric infrared detector and a relay box to specific operational conditions

Auditory Source Separation   **College Park, MD**
Research Assistant, Undergraduate Research   *February 2014 – April 2014*
- Collaborated with graduate students to analyze EEG data in Matlab using primary component analysis

SKILLS & INTERESTS

Programming Languages: Python, VBA, Matlab, SQL, JavaScript, SAS
Technical Skills: Bloomberg, GitHub, HTML, CSS, LaTeX
Interests: Fishing, Golf, Snowboarding, Soccer