

# GEORGE HO

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## EXPERIENCE

### Point72 Asset Management, L.P.

*New York, NY*

*Researcher/Data Scientist, Fusion*

*July 2019 – Present*

- Building NLP models of internal and third party data sets to both generate trading signals as well as serve to other research groups.
- Built Bayesian statistical models of internal data sets to generate trading signals.

### Quantopian, Inc.

*Boston, MA*

*Intern, Quantitative Research and Data Science*

*May – August 2017, 2018*

- Built Bayesian statistical models for the evaluation and selection of trading algorithms.
- Wrote open-source Python libraries for portfolio risk analysis and performance attribution.

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## PROJECTS

### PyMC Project

*Open Source Core Developer*

*August 2018 – Present*

- PyMC3 is a popular open-source Python framework for Bayesian modeling and inference.
- Developing PyMC4 (the successor project to PyMC3) and littlemcmc (a standalone project of the main samplers from PyMC3).

### Generative Models for Algorithmic Type Design

*Researcher*

*January 2019 – June 2019*

- Researched a class- and attribute-conditional GAN capable of producing vector graphics, for potential applications in algorithmic type design.
- Wrote and open sourced Python libraries for manipulating and visualizing font files.

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## EDUCATION

### The Cooper Union

*New York, NY*

*BSE General Engineering, Summa Cum Laude*

*August 2015 – May 2019*

- Awarded the Cooper Union Half Tuition Scholarship and Innovator Merit Scholarship.

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## SKILLS (LANGUAGES, LIBRARIES AND TECHNOLOGIES)

- *Daily:* Python, PyTorch, Hugging Face, PyData ecosystem (NumPy, pandas, Matplotlib, scikit-learn, etc.), Git, Bash, AWS (EC2, S3)
- *Weekly:* SQL Server, Jupyter
- *Monthly:* PyMC3, Docker
- *Previously:* C++, MATLAB, Stan