

# GEORGE HO

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## EXPERIENCE

### Point72 Asset Management, L.P.

*New York, NY*

*Quantitative Researcher, NLP Research*

*July 2019 – Present*

- Building internal NLP data products to support portfolio managers and analysts.
- Built Bayesian and NLP models of internal and third party data sets to generate trading signals, using Stan and PyTorch, respectively.

### 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.
- Contributing to Aesara (the PyMC3 backend) and littlemcmc (a standalone project of the PyMC3 samplers).

### 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 (Jupyter, NumPy, pandas, Matplotlib, scikit-learn, etc.), AWS (EC2, S3), Git, Bash
- *Weekly:* SQL (SQL Server, SQLite), Flask, Tornado
- *Monthly:* PyMC3, Docker
- *Previously:* Stan, MATLAB, C++