

# Benjamin B. Hurt

Bh3an@virginia.edu

## EXPERIENCE

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### BIOCOMPLEXITY INSTITUTE

Charlottesville, VA

*Data Scientist*

July 2019 – Present

- Administrator of the Computing for Global Challenges program including strategic planning, hiring, and mentoring of the participants
- Responsible for the weekly COVID-19 surveillance presentation given to the University of Virginia, including model forecasts for future cases and policy recommendations
- Building and maintaining a COVID-19 forecasting model using ARIMA, exploring improvements through exogenous variables which is included in Biocomplexity's forecasts provided to the CDC
- Designed and implemented a financial contagion model simulating the spread of a shock through a network of banks, measuring the impact of network structure on the spread and severity of the contagion

### BLUEMOUNTAIN CAPITAL MANAGEMENT

New York, NY

*Risk Analyst – Opportunistic Investments*

February 2017 – January 2018

- Developed and formalized a more efficient set of procedures for the firm's Investment Committee including a new voting protocol
- Interfaced with the portfolio managers to track potential investments in the pipeline and capture relevant data
- Attended all Investment Committee meetings to track dialogue, document the meeting, and manage follow-ups
- Synthesized and communicated weekly investment changes and important updates to the CIO and CRO
- Contributing member of the Trade Allocation team which determined trade allocation methodologies and ratios

*Risk Analyst - Fund Risk*

March 2015 – February 2017

- Monitored daily fund risk using metrics such as capital allocation, performance attribution, and market stresses
- Verified if the current proprietary risk model framework fit with historical moves and intuition

*Portfolio Analyst*

February 2013 – March 2015

- Responsible for all regular external reporting for a subset of funds
- Covered a select group of high priority investors for all requested data analytics or ad hoc reporting

### CHILTON INVESTMENT COMPANY

New York, NY

*Temporary Credit Analyst*

May 2012 – January 2013

### ASTON ENGLISH

*Foreign Teacher*

Xiangyang, Hubei, China

September 2011 – March 2012

## EDUCATION

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### GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, GA

*Masters in Data Analytics, GPA: 4.0*

2018 – May 2020

*Relevant coursework:* Machine learning, Bayesian statistics, regression analysis, data visualization, optimization

### CHARTERED FINANCIAL ANALYST PROGRAM

*Chartered Member*

March 2021

### COURSERA

*Deep Learning Specialization*

June – December 2020

### DAVIDSON COLLEGE

*Bachelor of Arts in History, focus on South and East Asian Studies*

Davidson, NC

2007 – May 2011

**SKILLS** – Python, Advanced Microsoft Excel, R, SQL, Bloomberg, D3

**LANGUAGES** – Italian (conversational)

**INTERESTS** – Travel, Asian history, world religions, behavioral psychology

References Upon Request