Delaney Granizo-Mackenzie

EDUCATION

2009 – 2014 **Princeton University** Princeton, NJ
A.B. in Computer Science

2006 – 2009 **Dartmouth College** Hanover, NH
Undergraduate and Graduate Level Computer Science and Math

EXPERIENCE

2015 – Present **Quantopian,** Boston, MA
Lead — Academic Outreach
Quantopian is the world's first crowd-sourced hedge fund. It provides free online access to the same tools and data used by Wall Street.

- Built an entirely new business model for Quantopian from the ground up. Was in charge of all business development, content production, engineering, and hiring.
- Developed cutting-edge interactive quantitative finance curriculum, including online lectures and in-person workshops. Worked with professors at schools including Harvard, MIT Sloan, and Cornell who used Quantopian to teach and vetted the curriculum. Outreach resulted in 13 courses using Quantopian in the first year.
- Implemented curriculum components using IPython notebooks. Produced video lectures. Resulting curriculum receives more than 10,000 views per month.
- Invited to deliver lectures on finance and statistics at many schools, including those listed above. Also delivered regular public lectures on the topics with attendances in the hundreds.
- Developed series of workshops to teach content.

2014 - 2015 **Quantopian** Boston, MA
Engineer

- Fixed bugs and added new functionality to codebase with GitHub and test-driven development.
- Worked on both back end Python and front end Ruby stacks to implement many new features.
- Implemented serialization system enabling trading algorithms to save and restart from state.
- Heavily involved with hiring process at Quantopian. Was responsible for screening candidates during phone and onsite interviews.

2009-2014 **Dartmouth Medical School** Hanover, NH
Computational Genetics Researcher
The Moore Laboratory at Dartmouth applied computer science, statistics, and machine learning to solve complex problems in genetics and find cures for diseases.

- Developed state of the art algorithms for detecting complex epistatic interactions between genes and phenotypes.
- Developed a novel way to provide Learning Classifier Systems with expert knowledge using logistic transformations and the Newton-Raphson method.
- Created a real-time visualization system for an Artificial Immune System.
- Presented work at multiple conferences.

SKILLS

Professional

- Python, R, Matlab, Java, C, Linux

Personal Interests

- Soundtrack Composition, Film Production, Audio Recording, Audio and Film Editing, Fencing, Video Gaming

LINKS

https://www.quantopian.com/academia
https://www.quantopian.com/lectures
https://www.quantopian.com/workshops