

Logan D. Graham

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EDUCATION

Stony Brook University (SBU)

Ph.D. Candidate in Applied Mathematics & Statistics

Stony Brook, NY

2017–2022 (estimated)

- Advisor: Joseph S.B. Mitchell ([Wikipedia entry](#)); GPA: 3.93/4.00

University of Missouri (MU)

B.S.: triple major in Economics, Mathematics, and Statistics

Columbia, MO

2012–2016

- Highest honors (i.e., MU’s “University Honors”); GPA: 3.70/4.00

EXPERIENCE

SBU Department of Applied Mathematics & Statistics

Ph.D. Candidate and Fellow, Research Assistant, Lead Instructor, Teaching Assistant

Stony Brook, NY

2017–Present

- Led research progress at the frontier of the literature, won 3 teaching excellence awards, and developed multi-disciplinary skills as a winner of a highly-selective, lucrative, NSF-affiliated Ph.D. fellowship awarded to roughly 6 STEM students each year.

Numerica Corporation

Research Scientist Intern

Fort Collins, CO

Summer, 2020 & 2019

- Developed cutting-edge prototype-software in Python and in Julia, leveraging advanced mathematics expertise.
Projects: (1) interceptor guidance with asymmetric information, (2) efficient resource utilization in the Numerica telescope network. Topics: algorithms, game theory, optimization, simulation.

Agrium

Data Scientist

Loveland, CO

2017

- Led financial, statistical analysis software development research with autonomy. Communicated big data-driven insights to board members of a mega-corporation, unveiling \$20+ million of practicable annual savings opportunities.

Rollins Capital Partners

Quantitative Analyst Intern

Columbia, MO

Summer, 2016

- Lent quantitative background on special assignments. Received one-on-one mentoring from a highly-successful hedge fund and private equity fund manager, John Wright. Read 7 books about financial crises.

Cornerstone Wealth Management

Quantitative Researcher Intern

Des Peres, MO

Summer, 2015

- Enhanced an automated, fundamental analysis-based fund-selection tool for a fund-of-funds portfolio. Exposed to a variety of investing perspectives in one-on-one mentoring from Alan Skrainka, former head of research at Edward Jones.

RESEARCH KEYWORDS

algorithmic game theory, algorithms, optimization, complexity, computational geometry, data structures, graph theory, probability, resource allocation, sensor networks, simulation, stochastic processes. **See CV for publications.**

PROGRAMMING & TECHNICAL SKILLS

- **Julia:** highly proficient (favorite language).
- **Python:** highly proficient.
- **Rust:** proficient.
- **C, C++, Mathematica, R:** hobbyist (eager to master).
- **Computing:** bash, Excel, git, \LaTeX , Powerpoint, secure computing (e.g., with classified data), Unix/Linux, Vim.
- **Classified Clearance:** U.S.A. Classified-Secret (active).

TRAITS & SOFT SKILLS

- **Character:** inquisitive, loves puzzles and intellectual challenges, collaborative, pressure-seeking, low burnout risk, comfortable admitting mistakes to superiors.
- **Communication:** public speaking to a variety of audiences and technical levels, teaching and tutoring.
- **Leadership:** mentoring, supervisor on research efforts and as an instructor, setting goals with and organizing the workloads of subordinates.

SELECTED AWARDS

- **Fellowships and Scholarships:** Science TRaining to Inform DEcisions (STRIDE) Ph.D. fellowship (full scholarship and \$34k+ annual stipend); National Defense Science & Engineering fellowship, alternate awardee; MO Bright Flight award (scored above 99th percentile on ACT); Curator’s Scholarship, MU.
- **Graduation Distinctions:** University Honors, MU; Departmental Honors ($\times 3$), MU Economics, Mathematics, Statistics; Honors College Certificate, MU; Latin Honors, *cum laude*, MU; Omicron Delta Epsilon, MU.
- **Awarded Positions:** Research assistant position, SBU ($\times 2$, full scholarship and stipend); Instructor position, SBU ($\times 4$, full scholarship and stipend); Teaching assistant position, SBU ($\times 2$, full scholarship and stipend).
- **Other:** Mensa International member (scored in excess of the 99.9th percentile on the WISC III IQ test, professionally-administered); Excellence in Teaching Award, SBU (3/3 semesters); Dean’s List, MU (8/8 semesters).