Logan Bell

✉ lmbell@stanford.edu   ↖ https://lmbell.netlify.app

EDUCATION

Stanford University (Sep. 2020 – Present)
Pursuing B.S. Mathematics; Junior Academic Standing
- Relevant Coursework: Graduate Theory of Probability I, II, & III, Convex Optimization I & II, Linear Dynamical Systems, Graduate Theory of Statistics III, Stochastic Methods in Engineering

Lakeland Community College (Sep. 2017 – May 2020)
Obtained A.S. and A.A.; Graduated summa cum laude

Lake Erie College (Sep. 2018 – May 2020)
Dual-Enrolled in High School

WORK EXPERIENCE

Stanford Undergraduate Research Institute in Mathematics (Jun. 2021 – Aug. 2021)
Worked as a Student Researcher
- Developed novel mathematical proofs of connection between combinatorics and representation theory in collaboration with three academic colleagues
- Produced a forty-five page survey of existing research and group contributions
- Co-presented findings in fifty-minute presentation to other student researchers and Stanford professors

EXTRACURRICULARS

Personal Algorithmic Trading Project (Nov. 2021 – Present)
- Implementing and cross-validating a model to predict short-term price changes in the S&P 500 using historical data

Blyth Fund Analyst (Jan. 2022 – Present)
- Learning about fundamental analysis and portfolio management

Breakthrough Junior Challenge (Jun. 2019)
- Animated an original explanation of the RSA encryption algorithm using manim, an open-source Python package

Independent Mathematics Research (Apr. 2018 – Jun. 2019)
- Presented at three local math conferences about personal research topics, such as roulette curves and Shor's algorithm

SKILLS

Mathematics Research

Julia

Python

Optimization

Data Visualization

C++

INTERESTS

- Probability Theory
- Data Analysis
- Statistical Modeling
- Optimization
- Algorithmic Trading

AWARDS

- 2020 USA Mathematical Talent Search Silver Medal
- 2019 Coolidge Senator
- 2018 Lakeland Outstanding Mathematics Student

My Website