

Pierce Klein

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GRADUATE EDUCATION

University of Chicago, Chicago, IL
MS, Computational and Applied Mathematics

June 2022

UNDERGRADUATE EDUCATION

Endicott College, Beverly, MA

BS, Applied Mathematics

May 2021

GPA: 4.0

Honors: Dean's Award, President's Scholarship, Coastal Commonwealth Conference All-Academic Honors

Activities: Varsity Football, Modern Band Project

RELEVANT EXPERIENCE

Drill Masters Eldorado Tool, Milford, CT

Data Science Intern

February 2021 – May 2021

- Consult with business leaders, engineers, and manufacturing managers
- Provide computational expertise to engineers, manufacturing managers, and tech specialists
- Work with machine operators to enhance efficiency of data collection and quality control
- Provide tech support, computing assistance, and training to staff
- Design and implement original data collection, management, and sharing infrastructure
- Work with diverse team of engineers, IT professionals, manufacturing managers, and machine specialists

Ivy Bound Test Prep, Newington, CT

Tutor

April 2019 – Present

- Private tutor in mathematics, physics, computer science, music theory and Spanish

Endicott College Tutoring and Writing Center, Beverly, MA

Peer Tutor

September 2019 – May 2021

- Assist students in individual and group settings in mathematics, physics, computer science, music theory and Spanish
- Meet with student approximately 7 hours/week

Summer Institute for the Gifted, Fairfield, CT

Teacher

July 2019 – August 2019

- Wrote lesson plans, prepared materials for class, drafted evaluations for students
- Taught investing strategies course and numeration systems course for students aged 6-12

SKILLS

- *Statistical Analyses:* graphical methods, Monte Carlo simulation, stochastic processes, predictive analytics, quantitative methods, regression, data science research methods, experimental design, error propagation, numerical analysis, Markov chains
- *Computer:* Python, R, Matlab, C++, LaTeX, advanced Microsoft Office, HTML, JavaScript, SQL
- *Python Packages:* Pandas, Numpy, Scipy, SciKit, Seaborn, Matplotlib, Statsmodels
- *Communication:* report writing, public speaking, reducing jargon, teamwork, leadership, project management, interdisciplinary collaboration
- *Language:* Proficient in Spanish