

Kenneth Potts

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Available for interviews in the SF area from 3/13/17 to 3/17/17

Summary

I am seeking a position in either the data science or software engineering field where I can leverage my experience in data analysis, statistics, computer science, machine learning, and programming. I am currently a member of the Cornell University Data Science and Algorithmic Trading Project Teams. I have an eye for detail and can produce quality work whether I'm working in a group setting or independently. I love explaining difficult concepts and I consider myself a bibliophile, philomath, and a self-driven learner.

Skills

- Numerical Analysis
- Statistics, Data Science, Probability
- Discrete Mathematics
- Mathematical Modeling
- Python, C++, Java, R, Matlab, Cython, SQL
- Numpy, Pandas, Scipy, StatsModels
- Object Oriented Programming
- Jupyter/iPython, GitHub
- Machine Learning
- Algorithm Writing
- Data Visualization: Matplotlib, Seaborn, ggplot
- Security/Financial analysis
- Quantitative analysis
- Eikon, Bloomberg Terminal
- Academic Tutoring
- Microsoft Suite

Education

Ithaca College - Ithaca, New York

Expected Graduation May 2017

- Bachelor of the Arts, Mathematics, GPA: 3.88/4.0
- Minors in Finance, Computer Science

Cornell University - Ithaca, New York

Spring 2017

- Machine Learning (Graduate) Course
- Organizations: Cornell Data Science (CDS), Cornell Algorithmic Trading Team

Boston University - Boston, Massachusetts

Summer 2016

- Courses: Complex Variables, Abstract Algebra

Research and Projects

- Cornell Algorithmic Trading Team Jan 2017 - Present
- Empirical Distributions of Touring Times of Non-Complete Graphs Jan 2017 - Present
- COMAP Mathematical Modeling Competition Jan 2017
- Financial Market Fat Tail Data Analysis and Trading Algorithm Fall 2016 - Present
- Thue-Morse Sequence Research Fall 2016 - Present
- Numerical Integration: Adaptive Quadrature in Python Fall 2016
- Collatz Conjecture/Syracuse Sequence Exploration and Research Fall 2015 - Spring 2016

Experience

Ithaca College Tutoring Services - Ithaca, New York

Head Tutor

April 2016 - Present

- Support the recruitment, hiring, training, and development of peer tutors
- Serve as a liaison between Tutoring Services and academic departments

Peer Tutor

May 2015 - Present

- Tutor students in a variety of mathematics, finance, economics, and computer science courses

Empow Studios - Lexington, Massachusetts

Technology Clubs Leader

June 2016 - August 2016

- Lead Video Game design and Robotics clubs for children
- Taught the Empow Studios technology curriculum during club sessions

High Meadow Resort - Granby, Connecticut

Activities Leader

May - August 2015

- Planned and lead activities for school outings, family reunions, and corporate parties

Honors

- Pi Mu Epsilon (U.S. honorary national mathematics society) Member
- Phi Kappa Phi - National Honor Society
- Dean's List
- Whalen Academic Symposium Presenter, Spring 2016
- IC Leadership Academy Participant
- Flora Brown Award