Kenneth Potts

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Summary

I am seeking a position in the technology industry where I can leverage my experience in data analysis, statistics, mathematical modeling, machine learning, and programming. I have recently taken a course in machine learning from Cornell University where I was also a member of the 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**
- **Mathematical Modeling**
- **Python, C++, Java, Cython, SQL, OOP**
- **Numpy, Pandas, Scipy, StatsModels, sklearn**

- **Data Visualization: Matplotlib, Seaborn**
- **Security/Financial analysis**
- **Academic Tutoring**
- **Discrete Mathematics**
- **Microsoft Suite**
- **Git, Git flow, Scrum/Agile**
- **Jupyter/iPython**

- **Machine Learning**
- **KNN, Naive Bayes, SVM, Logistic Regression, Deep Learning, Ridge, Lasso**
- **Kernel Methods, Gaussian Process, Bias/Variance trade off, Regularization, ensemble, Boosting, Bagging**

Education

Ithaca College - Ithaca, New York   **August 2013 - May 2017**
- **Bachelor of the Arts, Mathematics, GPA: 3.89/4.0 Magna Cum Laude**
- **Minors in Finance, Computer Science**

Cornell University - Ithaca, New York   **Spring 2017**
- **Machine Learning (Graduate) Course: CS4780/5780, A 4.0**
- **Organizations: Cornell Data Science (CDS), Cornell Algorithmic Trading Team**

Boston University - Boston, Massachusetts   **Summer 2016**
- **Courses: Complex Variables, Abstract Algebra**

Research and Projects

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

Experience

Russell Tobin - onsite at Facebook   **June 2017 – Present**
Public Content Contractor
- **Work with community operations program managers, policy and safety teams, and project engineers**
- **Analyze data across multiple projects and provide regular insights into project trends and new cases**

Ithaca College Tutoring Services - Ithaca, New York   **May 2015 – May 2017**
Head Tutor
- **Support the recruitment, hiring, training, and development of peer tutors**
- **Serve as a liaison between Tutoring Services and academic departments**

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

Empow Studios - Lexington, Massachusetts   **June 2016 – August 2016**
Technology Clubs Leader
- **Lead Video Game design and Robotics clubs for children**
- **Taught the Empow Studios technology curriculum during club sessions**

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, Spring 2017 Research Award Winner**
- **IC Leadership Academy Participant**
- **Flora Brown Award**