

Kenneth Peluso

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Education

Brown University • Providence, RI

Expected Graduation May 2018

- Sc.B. Applied Mathematics, GPA: 3.7 / 4.0
- Relevant Coursework: Monte Carlo Simulation • Quantum Mechanics • Statistics • Deep Learning • Artificial Intelligence • Machine Learning • Data Science • Operations Research • Finite Volume Method for CFD • Comedy
- Teaching Assistant for Management of Industrial and Nonprofit Organizations, Fall 2015

Projects

Tech Lead and Instructor, Wantagh TechDay • Wantagh, NY

January 2014 – Present

- Helped start an annual initiative within hometown to spur an interest in computer science among young students
- Designed and created Meteor.js-based CRUD website devoted to hosting curriculum content and student's code created in TechDay's educational workshops or at home
- Manage a team of eight to create Python curriculum for the workshops, as well as teach a Python workshop

Applied Math Honors Thesis, Brown University • Providence, RI

September 2017 – Present

- Develop multiple algorithms to find an optimal transition matrix for a given stationary distribution
- Create an algorithm to generate all possible restricted and successively-restricted weak compositions

Biotech Stock Prediction • Group Final Project for Data Science

March 2016 – May 2016

- Developed decision tree, logistic regression, SVM, and naïve bayes classifiers in Python to predict the movement of biotech stock prices using clinical trial data, and visualized insights in D3.js

Wayvepool • Hack@Brown

February 2015

- Designed and wrote the front-end for a webapp in HTML/CSS/JS that enables multiple Spotify users to automatically mix their music interests into a single playlist

Professional Experience

Summer Associate, Bulger Partners • Boston, MA

June 2017 – August 2017

- Performed product and commercial due diligence assessments of software and software-enabled firms, including evaluations of a firm's organization, processes, technology, competitive landscape, market trends, and market size
- Day-to-day responsibilities included primary and secondary market research, qualitative and quantitative analysis, and a presentation of these findings internally and to the client
- Created educational training materials on artificial intelligence and its market trends, which was sent to a private equity firm client, as well as presented to the entire Bulger Partners staff

Business Intelligence Intern, KVH Industries • Middletown, RI

June 2016 – August 2016

- Developed a logistic regression classifier in Python to predict customer data coverage with 82% accuracy
- Introduced a Cygwin-Python interface to make these predictions accessible to sales representatives, which allows them to suggest upgrades to customers when needed; expected to save KVH \$188,600/month
- Generated a detailed report of customer churn between data plans and presented it to the CEO and CIO
- Constructed a SQL database with relevant queries to easily track the movements of vessels; this allowed KVH to more efficiently convert customers from its provider's satellites to in-house satellites, to find trends in how this process is executed, and to maintain a monthly savings of no less than \$30,000/month
- Aided in building, testing and documenting the Wave Analytics platform; released for customer and intra-firm use

Lead Programmer, Radium2 Capital • Uniondale, NY

May 2015 – August 2016

- Created an automated CRM system in VBA with employee analytic and payroll functions used by six companies
- Trained new analysts and executives how to operate programs that I developed

Psychology Researcher, Sloman Lab • Providence, RI

June 2015 – August 2015

- Utilized Bayesian networks, optimization, MATLAB, Python (SymPy and libpgm), causal and argument diagrams to research arguments and their persuasiveness

Skills and Interests

Interests: Philosophy, piano, mathematical engineering, martial arts

Soft Skills: Public speaking, basic Italian, fierce tenacity, outgoing, autodidactic

Technical Skills: Python, Tensorflow, C++, VBA, SQL, MongoDB, Bash, JavaScript, D3.js, Meteor.js, HTML/CSS, LaTeX, Git, Redshift, AWS, MS Office, Salesforce/Wave, Atlassian, Tableau, TI-Basic, Arduino, Pyret, Racket, MATLAB