

# Kenny Peluso

Software Engineer • Economic Architect • “Necessary Contrarian”  
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## Education

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**Brown University • Providence, RI** 8/14 – 5/18

- Sc.B. Applied Mathematics with Honors, GPA: 3.75 / 4.0
- Focused on data science, sampling methods and operations research
- Teaching Assistant for Management of Industrial and Nonprofit Organizations, Fall 2015
- Honors thesis: *Ensuring Efficient Convergence to a Given Stationary Distribution* submitted 4/18

## Projects

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**Lava RNG • Boston, MA** 9/18 – 10/18

- Conceived and deployed a scheme for decentralized random number generation (Solidity, React.js)

**Tech Lead and Instructor, Wantagh TechDay • Wantagh, NY** 1/14 – 1/18

- Co-started annual workshop within hometown to spur interest in computer science among 5th-12th grade students
- Over 500 students cumulatively taught
- Designed and created website for storing, editing and running curriculum and student code (Meteor.js, MongoDB)
- Managed a team of 8 to create Python workshop curricula and taught Python workshops

**Biotech Stock Prediction • Group final project for Brown Data Science course** 3/16 – 5/16

- Developed Decision Tree, Logistic Regression, SVM, and Naïve Bayes classifiers and various visualizations to predict the movement of biotech stock prices using clinical trial data (Python, D3.js)

**Wayvepool • Hack@Brown** 2/15

- Designed and wrote client of website enabling multiple Spotify users to mix their music interests (CSS, JS)

## Professional Experience

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**Machine Learning & Blockchain Engineer, John Hancock/Manulife • Boston, MA** 6/18 – 8/19

- Co-developed Pool, a protocol for trustless risk hedging; Built and tested its first implementation (Vyper, Python)
- Built a Naïve Bayes classifier to populate Manulife’s internal news source, automating a team’s duties (Jupyter, Python)
- Co-created client and server for internal processes dashboard with DevOps and design teams (React.js, Node.js)

**Summer Associate, Bulger Partners • Boston, MA** 6/17 – 8/17

- Performed product and commercial due diligence assessments of 3 software firms, including evaluations of organization, processes, technology, competitive landscape, market trends and market size
- Created educational training materials on artificial intelligence and its market trends, which was sent to a private equity firm client and presented to the entire Bulger Partners staff

**Business Intelligence Intern, KVH Industries • Middletown, RI** 6/16 – 8/16

- Developed a Logistic Regression classifier to predict customer data overage with 82% accuracy (SQL, Python)
- Introduced an interface to make these predictions accessible to sales representatives, which allows them to intelligently suggest upgrades to customers; Expected to save KVH \$188,600/month (Cygwin, Python)
- Generated a detailed report of customer churn between data plans; Presented to the C-suite (SQL, Python, Tableau)
- Constructed a database to easily track vessel movements; Allows KVH to more efficiently convert customers from its providers to in-house satellites, find trends in this process and save at least \$30,000/month (SQL)

**Lead Programmer, Radium2 Capital • Uniondale, NY** 5/15 – 8/16

- Created an automated CRM system with employee analytic and payroll functions; Used by 6 companies (VBA)
- Trained analysts and executives how to operate the programs I developed

**Psychology Researcher, Sloman Lab • Providence, RI** 6/15 – 8/15

- Discerned the empirical determinants of an explanation’s “quality” with causal and logical diagrams, Bayesian networks, optimization methods, MATLAB and Python (Sympy, libpgm)

## Skills and Interests

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**Interests:** Continental philosophy, psychology, fitness, emo music

**Soft Skills:** Public speaking, writing, editing, basic Italian, basic Spanish, fierce tenacity, outgoing, autodidactic

**Additional Technical Skills:** Tensorflow, Go, Bash, LaTeX