Steven A. **Ulin**

Software Engineer · Counter Abuse Technologies

1138 Woodborough Pl. San Jose, CA 95116, USA

(+1) 207-713-8185 | steve.ulin@gmail.com | steveulin.github.io

Education

RPI(Rensselaer Polytechnic Institute) *cum laude*

B.S. in Physics and Mathematics *May 2014*

- President of the Society of Physics Students
- Member of Sigma-Pi-Sigma

Experience

Google *Mountain View, CA*

Software Engineer · Counter Abuse Technologies *Aug. 2014 - Current*

- Worked on infrastructure to fight spam, fake reviews, and dos attacks
- Built heuristics and machine learning classifiers to detect outlier activity of bad actors
- Thrived in a team utilizing an agile work environment (SCRUM)
- Participated in multiple outreach programs, helping students with resume construction and interviewing skills
- Sat on Stanford panel to inform physics majors opportunities in the field of Software Engineering

The Blackstone Group *New York, NY*

Software Engineering Intern *June 2013 - Aug. 2013*

- Built an automated testing system utilizing the technologies Selenium and TeamCity that is currently in production
- Worked closely with the remote Quality Assurance Team to develop a viable product

Milky Way at Home Research Group *Troy, NY*

Physics Research Assistant *May 2012 - Aug. 2012*

- Collaborated to program massive parallel computing system of N-Body simulations in order to study darkmatter in dwarf galaxies
- Utilized MilkyWay@Home, a 40,000 user cloud donating over 520 teraflops of computational power

Physics with Matlab and Mathematica - RPI *Troy, NY*

Teaching Assistant *Aug. 2012 - Dec. 2013*

- Designed basic models of physical systems with Matlab and Mathematica
- Taught, led, and produced material for the course while accommodating multiple learning styles

Skills

C++ Python Matlab Mathematica Mathematical Modeling Data Science
LaTeX iPython

Notable Coursework

Pattern Recognition

Graduate Level

- Studied a variety of techniques including linear classification, support vector machines, neural networks, and clustering
- Designed and built a system to analyze the sentiment of twitter data as applied to the global stock market

Advanced Computational Physics

Graduate Level

- Studied computational algorithms as applied to physics, such as Finite Element Methods, Statistical Growth, and Transfer Matrices
- Implemented programs to simulate Diffusion-limited Aggregation, the nonlinear Schrdingers Equation, and Molecular Dynamics

DataStructures Stochastic Methods Probability Theory
Numerical Computing Quantitative Analysis Quantum Physics
Complex Analysis Thermodynamics and Statistical Mechanics Speech Communication