Anna I. **Leskova**

SOFTWARE ENGINEER · MATHEMATICIAN · EDUCATOR

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Education

University of California - Berkeley   *Berkeley, CA*

B.A. COMPUTER SCIENCE, B.A. MATHEMATICS

BERKELEY CERTIFICATE IN ENTREPRENEURSHIP AND TECHNOLOGY   *August 2014 - Math 2018*

Experience

SLAC National Accelerator Laboratory   *Palo Alto, CA*

SOFTWARE ENGINEER - SUMMER UNDERGRADUATE LABORATORY INTERNSHIP   *June 2016 - August 2016*

- Machine learning via artificial neural network using Keras and Theano at the LINAC coherent light source.
- Earned the Ernest Coleman Award for "exemplary scholarship and citizenship."

Joint BioEnergy Institute   *Emeryville, CA*

COMPUTATIONAL BIOLOGY & UNDERGRADUATE RESEARCHER   *June 2015 - December 2015*

- Maintained bacterial database using MySQL.
- Characterized *Rhodococcus erythropolis* for type I polyketide syntheses by establishing RNAseq. Used CRISPR, Cas9 to edit *E. coli*

Undergraduate Mathematics Research - University of California Berkeley   *Berkeley, CA*

UNDERGRADUATE MATHEMATICS RESEARCH   *January 2016 - May 2016*

- Researched Hausdorff Gaps, forcing, and Universal Algebra.

Student Learning Center - University of California Berkeley   *Berkeley, CA*

STUDY GROUP LEADER & TUTOR   *June 2015 - December 2016*

- Taught the Linear Algebra and Differential Equations to undergraduates.
- Tutored Algebra, Single Variable and Multivariate Calculus, Linear Algebra, Differential Equations, and Discrete Mathematics.

Bio-Sciences Researcher - Louisiana State University   *Shreveport, LA*

RESEARCH ASSISTANT & DATA ANALYST   *October 2011 - June 2014*

- Data analysis with the Computer Science Department through the Post-Katrina Sci-Net Grant using Prism 6.0.
- Used the glutathione pathway to study anti-angiogenic and sulfide donating properties of thiosulfate. Cultivated HUVECs to calculate sulfide concentrations using MBB, HPLC method. Performed BrDU/ glutathione assays.
- Awarded Iota Sigma Pi Outstanding Woman in Chemistry Award, and Intel Science Talent Search Semi-Finalist.
- Publications: DOI: 10.1016/j.niox.2015.02.014   DOI: 10.1016/j.freeradbiomed.2013.10.571

Extracurricular Activity

MUSA - Mathematics Undergraduate Students Association   *Berkeley, CA*

MEMBER & OUTREACH CHAIR 2016-2017   *August 2016 - PRESENT*

PEACE Tutoring - Peers Espousing Amiability Cooperation and Education   *Berkeley, CA*

MEMBER & PRESIDENT 2016-2017   *January 2015 - November 2016*

WiSE - Women in Science and Engineering Theme Housing Program   *Berkeley, CA*

MEMBER & WiSE ONE CONFERENCE ORGANIZER   *August 2014 - May 2015*

Alpha Chi Sigma Professional Chemistry Fraternity   *Berkeley, CA*

MEMBER   *August 2015 - PRESENT*

Courses and Skills

Programming	Mathematics	Courses	Courses cont.	Hobbies
Python	Numerical Analysis	CS 61A/B, 170	IEOR 192, 195	Archery
HTML/CSS	Partial Diff. Eq.	Math 104,110,113,185	Chem 103,112A,301C	Hiking
Java	Algebraic Geometry	Math 126,143,301C		Lame Math Jokes
	Real/Complex Analysis			