

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

Courses and Skills

Programming	Programming cont.	Mathematics	Mathematics cont.	Languages	Hobbies
Java	Ruby on Rails	Numerical Analysis	Algebraic Geometry	English	Archery
Python	SQL	Partial Diff. Eq.	Linear Algebra	Russian	Marathons
HTML/CSS	JavaScript	Real Analysis	Complex Analysis	French	Lame Math Jokes

Experience

SLAC National Accelerator Laboratory

Palo Alto, CA

SOFTWARE ENGINEER - SUMMER UNDERGRADUATE LABORATORY INTERNSHIP

June 2016 - August 2016

- Machine learning - artificial neural network using Keras and Theano at the LINAC coherent light source to optimize laser configurations.

Masters in Developmental Practice at University of California Berkeley

Berkeley, CA

WEBMASTER

January 2017 - current

- Maintain website using HTML and CSS, and currently creating a new site from scratch.

Joint BioEnergy Institute

Emeryville, CA

COMPUTATIONAL BIOLOGY & UNDERGRADUATE RESEARCHER

June 2015 - December 2015

- Maintained bacterial database using MySQL and python.

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.

Data Analyst - 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.
- Publications: DOI: 10.1152/ajpheart.00723.2016 DOI: 10.1016/j.niox.2015.02.014 DOI: 10.1016/j.freeradbiomed.2013.10.571

Projects

Relational Database Management System and Domain Specific Language

JAVA, REGEX

- Created a DBMS similar to that of SQL from scratch.

Web Mapping Application

JAVA, QUILT

- Created the back-end for a mapping application similar to Google Maps but for the Berkeley campus.

Leadership

MUSA - Mathematics Undergraduate Students Association

Berkeley, CA

OUTREACH CHAIR 2016-CURRENT

August 2016 - current

PEACE Tutoring - Peers Espousing Amiability Cooperation and Education

Berkeley, CA

PRESIDENT 2016

January 2015 - November 2016

WiSE - Women in Science and Engineering Theme Housing Program

Berkeley, CA

WISE ONE CONFERENCE ORGANIZER

August 2014 - May 2015