

# EKATERINA STUKALOVA

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## Skills

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- C++
- JAVA
- MySQL
- PHP
- Python
- HTML/CSS
- MS Visual Studio
- Eclipse

## Experience

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**Mentee** **09/2015 to Present**

**Directed Reading Program** – Berkeley, CA

Read, discuss, analyze texts pertaining to the research topic chosen with graduate mentor. Topic chosen was a general overview of abstract algebra with a categorical theory approach. Research applications for theorems discussed. Prepare a presentation to share the results of the program.

**Reader/Tutor for Discrete Math and Probability Theory** **08/2015 to Present**

**UC Berkeley** – Berkeley, CA

Graded homework assignments and exams. Attended sessions to help students with homework. Tested student knowledge through oral quizzes.

**Executive Senior Mentor** **06/2015 to Present**

**Computer Science Mentors** – Berkeley, CA

Organized social events for mentors, documented all events, helped create weekly worksheets to be taught to students, lead weekly meeting to instruct junior mentors about good teaching habits, assisted in the development of the official website.

**Product Services Engineering Intern** **06/2015 to 08/2015**

**Proofpoint** – Sunnyvale, CA

Developed front end and back end solutions to improve efficiency of information flow and management. Specifically developed a tool to help manage and monitor SSL Certificates. Project included building a user friendly web interface and a backend monitoring system which created notifications in the form of JIRA tickets when certificates were within a modifiable range of expiry.

**Lab Assistant** **08/2015 to Present**

**Computer Architecture and Structure of Computer Programs**

**01/2015 to 05/2015**

Assisted during labs and provided guidance on projects and homework assignments

## Education

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**University of California, Berkeley** – Berkeley, CA  
Bachelor of Arts: Mathematics, Computer Science

**2017**

## Relevant Coursework

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Object-Oriented Programming Methodologies in C++  
Advanced Data Structures & Algorithms in C++  
Compilers

Abstract Algebra  
Numerical Analysis  
Linear Algebra