

NAMRATA DAS

Contact

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Education

University of California, Berkeley

B.A. Computer Science

May 2016

Skills and Interests

Python, Java, C/C++, JavaScript,
HTML/CSS

Photoshop, Illustrator, InDesign
Autodesk Maya

2D/3D art and animation,
Mentoring, Bollywood Dance

Courses Taken

Data Structures

Machine Architecture

Networks and Internet Protocol

Algorithms

Artificial Intelligence

Work

Box Inc.

June '14 – Aug '14

Software Engineering Intern

- Interned as a frontend developer to create content with real time collaborative editing among multiple users and devices
- Designed, developed, tested, and shipped a new feature for Box Notes that allows users to create to-do lists on both web application and mobile

UC Berkeley Graduate Division

Aug '13 – Present

Web Assistant

- Create and develop web pages, forms, and fellowship applications with WordPress, Illustrator, and PHP
- Research and write new content and media for monthly newsletter and online blog

Leadership

Indian Student Association

Feb '13 – Present

Co-Tech Director

- Maintain and develop organization's website to announce new and upcoming cultural events to UC Berkeley students

Computer Science Program

Oct '13 – Present

Founder and Assistant Teacher

- Helped facilitate an after school program at a local middle school aimed at exposing students to computer science and its applications
- Currently creating weekly lesson plans and small programming projects in Python

Projects

Networks Course – Implement a Firewall

Nov '14

- Implemented an active and stateful firewall at end hosts to filter incoming and outgoing packets based on firewall rules
- Used network testing tools (ping, Wireshark, etc.) to test using real packets in a VM

Algorithms Course – DNA sequencing

Dec '14

- Designed an algorithm to generate an original DNA strand from numerous short reads (snippets of original strand)
- Used concept of dynamic programming to combine short reads by maximizing overlaps between reads

Awards

Box Engineering Diversity Scholarship

Nov '13

National Center for Women & IT National Award

Feb '12