Fahad Kamran

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EDUCATION

UC BERKELEY
Double Major in Pure Mathematics and Computer Science
Expected May 2018 | Berkeley, CA
Cum. GPA: 3.70

CENTERVILLE HIGH SCHOOL
Graduated May 2014 | Centerville, OH
Graduated with an Honors Diploma
Awarded National AP Scholar

COURSEWORK

COMPLETED
Structure and Interpretation of Computer Programs
Multivariable Calculus
Data Structures and Algorithms
Productive use of the Unix Environment
Discrete Mathematics and Probability Theory
Linear Algebra and Differential Equations
Great Ideas in Computer Architecture
Introduction to Real Analysis

FALL 2015
Introduction to Artificial Intelligence
Introduction to Complex Analysis

SPRING 2016
Concepts of Probability
Efficient Algorithms and Intractable Problems
Linear Algebra

SKILLS

PROGRAMMING
Programming languages known:
• Java • C • JavaScript • Python • Scheme • MIPS • Git • Unix • SQL • Android • LaTeX • HTML • CSS

Areas of skill:
• Data Structures • Artificial Intelligence
• Computer Architecture • Algorithms

OTHER
Languages Known:
• Urdu • English • Spanish

RELEVANT EXPERIENCE

UC BERKELEY EECS DEPARTMENT (CANNY LAB)
September 2015-Present | Berkeley , CA
- Beginning research on the optimization of neural networks for data processing.
- Working with deep learning networks, specifically LSTM.

COMPUTER SCIENCE MENTORS | Senior Mentor
January 2015-Present | Berkeley, CA
- Began as a Junior Mentor where I lead sections to benefit students in certain computer science courses.
- Currently a Senior Mentor where I teach students in the class, instruct other Junior Mentors on how to organize their sections, and create the worksheets for everyone to use.

TUTOR/READER
June 2015-Present | Berkeley, CA
- Hired by the university staff for the computer science course Structure and Interpretation of Computer Programs.
- I lead small sections for students who are seeking more assistance in the course.
- Other responsibilities include grading, leading homework parties, and possibly creating software to help the class run smoothly.

PROJECTS

TLDR | Project Lead
October 2015, https://github.com/tommyhuynh/TLDR
- Created a google chrome extension which reads in an article and summarizes it, with the option of a small, medium, or large summary

BERKELEYSPACE
October 2015-Present
- Currently creating an web application to assist students in finding open classrooms to relax and study around campus

VARIOUS PYTHON SCRIPTS
August 2014-Present
- Including scripts to store the Youtube history of an account into an easy to use file and reply "Thank you!" to everybody who posted on a Facebook wall for a birthday.

CALOPOLY | Co-Project Lead
February 2015-March 2015
- Created a Cal themed version of the classic board game Monopoly in Java.

GITLET
April 2015
- Created a portion of the popular virtual control system Git, allowing operations such as pull, push, commit, branch, and many more.