

Fahad Kamran

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EDUCATION

UC BERKELEY

DOUBLE MAJOR IN PURE
MATHEMATICS AND COMPUTER
SCIENCE
Expected May 2018 | Berkeley, CA
Cum. GPA: 3.74

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
Discrete Mathematics and Probability Theory
Linear Algebra and Differential Equations
Great Ideas in Computer Architecture
Introduction to Real Analysis
Introduction to Artificial Intelligence
Introduction to Complex Analysis

SPRING 2016

Concepts of Probability
Efficient Algorithms and Intractable Problems
Linear Algebra
Teaching Techniques for Electrical Engineering

SKILLS

PROGRAMMING

Programming languages known:

• Java • C • JavaScript • Python • Scheme • MIPS • Git • Unix • SQL • Android • \LaTeX • HTML • CSS • Ruby on Rails • PHP • MEAN.js

Areas of skill:

• Data Structures • Artificial Intelligence
• Teaching Techniques • Algorithms

OTHER

Languages Known:

• Urdu • English • Spanish

TEACHING ASSISTANT FOR DATA SCIENCE

January 2016-Present | Berkeley, CA

- I am teaching Foundations of Data Science, which is in its second semester and is intended for students looking for programming experience that will be applicable to their every day lives and career.
- I am hired for 20 hours and my responsibilities include teaching two sections, holding two office hours, weekly staff meetings, and overall course and software development.

TEACHING ASSISTANT FOR ARTIFICIAL INTELLIGENCE

June 2016- | Berkeley, CA

- I will be teaching the upper-division course Introduction to Artificial Intelligence.
- I will be hired for 20 hours and my responsibilities will include teaching sections, holding office hours, attending staff meetings, and working on a lot of back-end software in order to keep the class running smoothly.

COMPUTER SCIENCE MENTORS EXECUTIVE COMMITTEE

January 2015 - Present | Berkeley, CA

- Began just teaching section, but transitioned into both teaching section and teaching others how to teach section.
- Now, I both teach and I am part of the executive committee. I am the data analyst and secretary, responsible for things such as email lists, statistic scraping through excel, room bookings, and much more.

PROJECTS

TLDR WWW.GITHUB.COM/TOMMYHUYNH/TLDR

October 2015

- Created a google chrome extension which reads in an article and summarizes it, with the option of a small, medium, or large summary using CSS and Javascript. I primarily worked on the algorithm for creating the summary.

BERKELEYSPEACE

February 2016-Present

- Currently starting a web application using MEAN.js in order to display which classrooms around a campus are open at any specific time.

VARIOUS PYTHON SCRIPTS

August 2014-Present

- Including scripts to do quick searches on IMBD and store all of the Youtube history of an account into an easy to use file.

PERSONAL WEBSITE

December 2015

- Website made from scratch using pure HTML, CSS+Bootstrap, and Javascript to host practice problems for courses I have taught.

GITLET

April 2015

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

ECARD WWW.HASSAN-ECARD.HEROKUAPP.COM

January 2016

- Created a password protected e-card for my brother's wedding using Ruby on Rails, HTML, CSS, and Javascript.