Fahad Kamran

Curriculum Vitae
Computer Science PhD Student

PERSONAL DETAILS

Address	2130 Pauline Boulevard, Ann Arbor, MI
Phone	(937) 499-4885
Mail	fhdkmrn@umich.edu
Website	fhdkmrn.github.io

EDUCATION

Masters/PhD in Computer Science 2018-Present
University of Michigan

- ◇ Second year PhD Student
- ◇ Advisor: Jenna Wiens
- ◇ Research focus: Intersection of Machine Learning and Healthcare
- ◇ Specific research topics: Causal Inference, Survival Analysis, Sports Analytics, Exploring and Exploiting Invariances in Health related tasks

Bachelors Degree 2014-2018
University of California, Berkeley

- ◇ Attended UC Berkeley majoring in Mathematics, Statistics, Computer Science
- ◇ Final cumulative GPA: 3.80
- ◇ Awarded the Campus Outstanding GSI Award
- ◇ Awarded the Computer Science Outstanding Teaching and Leadership Award

High School Diploma 2010-2014
Centerville High School

- ◇ Graduated from Centerville High School with an Honors Diploma
- ◇ Completed high school as a National AP Scholar

WORK EXPERIENCE

Graduate Student Research Assistant 2018-
University of Michigan CSE Department

- ◇ Advised by Jenna Wiens
- ◇ Main research focuses include causal inference and survival analysis
- ◇ Other areas of interest include sports analytics and exploring invariances in health related tasks

Undergraduate Deep Learning Research 2015-2018
UC Berkeley EECS Department

- ◇ Working with Yusuf Bugra Erol and Pulkit Agarwal on applying deep learning techniques to physiological data
- ◇ Entered the PhysioNet CinC Challenges for 2016 and 2017 and worked with using convolutional neural networks and recurrent neural networks to classify heartbeats as either normal or abnormal

- ◇ Currently attempting to apply state of the art audio architectures (like Wavenet) to physiological data, including single/multichannel signal generation and unsupervised feature engineering for classification

Data Analyst Intern 2017
84.51°

- ◇ Interned at a data analytics firm, doing work for the parent company Kroger/Ralphs.
- ◇ Read in large amounts of customer purchasing behavior and applied various machine learning algorithms to learn the most important customer traits
- ◇ Used these customer traits to determine what sort of coupon offers should be sent to specific customers
- ◇ Introduced Natural Language Professing to the company by creating an introductory guide to natural language processing – a python tutorial teaching the most important libraries for language analysis – and implementing a script to read in comments from online sources and learn overall customer

TEACHING EXPERIENCE

Big Data Summer Institute Lecturer 2019
School of Public Health, University of Michigan

- ◇ Instructed a group of public health undergraduates through a self-made Python tutorial as part of the Big Data Summer Institute at the University of Michigan

Course Instructor 2018
Foundations of Data Science, UC Berkeley

- ◇ Co-instructed a university course for roughly 250 students in a summer session
- ◇ Main responsibilities included preparing for and leading lecture, organizing staff, creating worksheets, assignments, exams, and dealing with day to day infrastructure and logistics to keep the course running
- ◇ Created student projects from scratch to best grow the course into an ideal learning experience for students

Head Teaching Assistant 2016-2018
Foundations of Data Science,UC Berkeley

- ◇ Spent four semesters as one of the head TAs
- ◇ Main responsibilities included teaching sections and holding office hours
- ◇ Additional tasks I took included organizing course staff, creating the website, organizing tutoring, and creating large portions of the curriculum
- ◇ Currently handling and automating the grading process

Teaching Assistant 2016
Introduction to Artificial Intelligence, UC Berkeley

- ◇ Was part of a small, 6 person course staff teaching the course over the summer
- ◇ On top of discussions and office hours, I created and edited discussion worksheets and held periodic course reviews

Teaching Assistant 2017
Data Structures and Algorithms, UC Berkeley

- ◇ TA'd for the second introductory computer science course when roughly 1500 students were enrolled
- ◇ Along with basic duties, I organized tutoring sections and dealt with all grading compilation and regrade requests
- ◇ Co-taught one lecture during the semester

Machine Learning Lecturer 2017

Practice Data Science Skills for Internships, UC Berkeley

- ◇ Designing my own curriculum and teaching the machine learning portion of a student created course
- ◇ My lectures focus on the introduction to popular algorithms and their applications and implementations in industry

EXTRACURRICULARS

President 2016-2017

Computer Science Mentors, UC Berkeley

- ◇ Remained president of an organization which is devoted to easing the rigor of introductory computer science courses for one year
- ◇ Created close ties with the computer science department, introduced a new course to provide mentoring for, and began sections aimed towards specific groups of students who were having an especially difficult time transitioning
- ◇ Currently remain on the executive board and continue mentoring for courses

Peer Advisor 2016-2017

UC Berkeley Mathematics Department

- ◇ Held office hours weekly to provide an outlet for students who were considering majoring in mathematics and had questions
- ◇ Held mass advising sessions where I would lead discussions on the courses that were occurring in the next semester

PUBLICATIONS

To Be Updated!