

Adeeb Sheikh

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EDUCATION

University of Rochester, Rochester, New York, USA

- Honors Bachelor of Arts (Honors B.A.) in Mathematics Aug 2014 – May 2018
 - Cumulative GPA: 3.77 / 4.00
 - Completed Coursework: "Introduction to Cryptography," "Number Theory," "Real Analysis"
- Bachelor of Science (B.S.) in Data Science Aug 2014 – May 2018
 - Cumulative GPA: 3.77 / 4.00
 - Completed Coursework: "Topics in Data Science," "Analysis of Algorithms," "Introduction to Artificial Intelligence," "Data Mining"

Pittsford Sutherland High School, Pittsford, New York, USA

- Advanced Regents Diploma with Distinction Sep 2010 – Jun 2014
 - Cumulative GPA: 3.85 / 4.00

WORK EXPERIENCE

Wegmans Food Markets, Inc., Rochester, New York, USA

- Analyst, *Customer Insights Division* Sep 2016 – Present
 - Apply predictive techniques to extrapolate customer value and churn rate
 - Experiment with such techniques through use of Netezza SQL and R

University of Rochester, Rochester, New York, USA

- Computer Assistant, *Information-Technology Center* Aug 2015 – Present
 - Provide customer assistance to students and faculty for a wide array of computer and connectivity issues
- Teaching Assistant, *Computer Science Department* Aug 2016 – Dec 2016
 - Led problem sessions for students in "Design and Analysis of Efficient Algorithms" class
 - Graded homework for "Design and Analysis of Efficient Algorithms" class
- REU Fellow, *Mathematics Department* Jun 2016 – Aug 2016
 - Investigated the theory, properties, and applications of pseudo-random graphs
- Academic Coach, *Transition Opportunities at the University of Rochester* Aug 2015 – Dec 2015
 - Tutored students with learning and cognitive disabilities
- REU Fellow, *Mathematics Department* Jun 2015 – Aug 2015
 - Investigated similarity between spectral sets and tiling sets in finite space
 - Developed and programmed algorithms for exhaustive searches over such sets
- Project Assistant, *Laboratory for Laser Energetics* Jun 2013 – Aug 2013
 - Conducted laser optics research about discrete phase plates (DPPs)
 - Developed rigorous MATLAB simulations to model DPPs
 - Presented and defended research before a body of scientists
 - Wrote a comprehensive research report for the LLE database

TECHNICAL EXPERIENCE	<ul style="list-style-type: none"> ▪ AdeebSheikh.com <ul style="list-style-type: none"> • My personal website • Written in HTML/CSS 	2017
	<ul style="list-style-type: none"> ▪ Social Circle Induction <ul style="list-style-type: none"> • Implemented latent clustering methods for hard mixed-membership clustering • Implemented data structures to characterize social networks and pairwise similarity vectors • Written in Java 	2016
	<ul style="list-style-type: none"> ▪ Nil Statistical Parsing <ul style="list-style-type: none"> • Reads .txt files and inserts words and contexts into a database using SQLite • Tags part-of-speech for words unsupervised, using class-based n-grams clustering • Develops stochastic grammars to parse arbitrary sentences • Written in Java, SQLite 	2016
	<ul style="list-style-type: none"> ▪ Titanic Classifier <ul style="list-style-type: none"> • Developed a classifier on Titanic data that predicts who lives and dies based on several fields • Written in R 	2016
	<ul style="list-style-type: none"> ▪ Godel <ul style="list-style-type: none"> • Simplifies and evaluates logical statements based on inputted axioms • Written in Java 	2016
	<ul style="list-style-type: none"> ▪ XOHugsKisses <ul style="list-style-type: none"> • Uses MiniMax with alpha-beta pruning in order to play 9-board Tic-Tac-Toe • Written in Java 	2016
	<ul style="list-style-type: none"> ▪ matchaNEAT <ul style="list-style-type: none"> • Implemented “NeuroEvolution of Augmenting Topologies (NEAT)” • Can breed optimal feed-forward neural networks according to custom fitness functions • Written in Java 	2016
	<ul style="list-style-type: none"> ▪ iGGdrazil <ul style="list-style-type: none"> • Social networking adapted for context-free grammar enthusiasts • Can create grammars and generate parse-trees dynamically using AJAX and Clojure • Written in HTML/CSS, JavaScript, Python, SQLite 	2015
	<ul style="list-style-type: none"> ▪ Arithmetic Scanner/Parser <ul style="list-style-type: none"> • Developed tokenizer to scan arithmetic sentences • Developed custom context-free grammar to parse arithmetic sentences • Written in C 	2015
	<ul style="list-style-type: none"> ▪ Tetris <ul style="list-style-type: none"> • Plays classic Tetris, complete with music and visual aesthetic • Written in Java 	2014
COMPUTER SKILLS	<ul style="list-style-type: none"> ▪ Proficient: Java, HTML/CSS, SQL, \LaTeX. ▪ Familiar: Python, C/C++, JavaScript, R, MATLAB. 	
ACADEMIC AWARDS	<ul style="list-style-type: none"> ▪ Dean’s List, <i>University of Rochester</i> For attaining a semester GPA of at least 3.4. 	Fall 2014 – Spring 2016
	<ul style="list-style-type: none"> ▪ Rush Rhees Scholar, <i>University of Rochester</i> For stellar academic achievement and strong vision across multiple interests. 	May 2014
	<ul style="list-style-type: none"> ▪ National Merit Scholarship Finalist, <i>National Merit Scholarship Corporation</i> For exceptional performance in the PSAT and SAT and overall academic excellence. 	Apr 2014
	<ul style="list-style-type: none"> ▪ Honorable Mention, <i>Moody’s Mega Math Challenge</i> For outstanding performance and use of applied mathematics in the 2013 Moody’s Mega Math Challenge. 	Mar 2013
	<ul style="list-style-type: none"> ▪ Chemistry Achievement Award, <i>American Chemical Society</i> For very good performance in a high school chemistry class. 	Apr 2012
OTHER AWARDS	<ul style="list-style-type: none"> ▪ Alice B. Wilson Literary Awards Contest, First Prize, <i>Brighton Memorial Library</i> Awarded in the Short Fiction section of the Alice B. Wilson Literary Awards Contest. 	Jun 2010
LANGUAGES	<ul style="list-style-type: none"> ▪ English: Native language. 	
	<ul style="list-style-type: none"> ▪ French: Intermediate (reading); basic (speaking, writing). 	
	<ul style="list-style-type: none"> ▪ Bengali: Basic (listening comprehension). 	