SAYED SADAT

UNDERGRADUATE STUDENT / INTERN CANDIDATE

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EDUCATION

University of California, Davis — Sept. 2016 to Current

BS Computer Science (GPA 3.31/4.0)

- Discrete Mathematics for Computer Science
- Introduction to Programming - Python
- Programming and Problem Solving - C
- Software Development - Unix and C/C++
- Introduction to Data Structures - Python
- Computer Organization and Machine-Dependent Programming
- Technology Management

SUMMARY

Currently pursuing a Bachelor of Science degree in Computer Science at UC Davis (2016 - 2020), which is giving me a comprehensive understanding of software and hardware. Fast learner and a hard worker; fully capable of working with a team or individually. On top of my excellent people skills and problem-solving capabilities, I have great writing and communication skills. I speak multiple languages: English, Farsi, and Arabic. Mature attitude combined with the highest form of respect and professionalism when communicating with others make me a natural fit for any work environment. Natural leadership, determination and broad assortment of skills make me an ideal candidate for this position. I guarantee that I will do everything necessary to achieve success in every given situation.

SKILLS

TECHNICAL SKILLS: Linux/Unix, C, C++, Python, Java (Basic), MATLAB, HTML, Microsoft Office
SOFT SKILLS: Written and Verbal Communication, Leadership / Attitude / Optimistic Mindset, Research, Interpreting & Analyzing Data
LANGUAGES: English, Farsi, Arabic

PROJECTS

MINI CHESS — Mar. 2017 to Apr. 2017

- Created a program that generates a chess board and determines what moves can be made and which moves have the greatest utility in ultimately resulting in a victory, in Python.

MASTERMIND — May 2018 to June 2018

- Created a program that recreates the bulls and cows code-breaking game.
- The computer generates a secret 4 digit number, and the user has 10 tries to correctly guess the combination.
- After each round, an X would appear if a number is in the right position, and O will appear if a number is present but in the wrong position, and a - if the number is not there, all in C.

UCUPID (DATING APPLICATION) — June 2018 to July 2018

- Created a program which receives the name of a database file and student ID (SID) number and generates an output file containing the list of possible matches for an individual, ordered by SID.
- Each file database contains an individual's SID, first name, sex, sexual orientation, age, political leaning, major hobby, minor hobby, height and weight.
- Two individuals would match if their respective sex and sexual orientation are compatible and if they share major and minor hobbies, similar in height and weight and are within a similar age or political leaning in C.

YOSEPH'S BOT — Oct. 2018 to Nov. 2018

- Created a twitter bot that when tweeted at with "#hello", it will respond back to the user with the same hashtag and a default statement within 20 seconds using Tweepy in Python.

PANCAKE STACK — Nov. 2018 to Dec. 2018

- Created a program that flips an arbitrary list of numbers and sorts them with the smallest number (pancake) on the bottom and the biggest number on top. Flips are done by flipping any top partition of a stack, all in Python.

ACTIVITIES

APPLICATION OF COMPUTATIONAL TECHNIQUES OF ANALYSIS TO ANCIENT RELIGIOUS LITERATURE · Undergraduate Research Assistant — Nov. 2018 to Current

Research and implement ways to scrape text files for the relevant data, create a TSV file, and upload it to SQL database in Amazon cloud servers

DAVIS COMPUTER SCIENCE CLUB · Member — Apr. 2018 to Current

Involved member of the Computer Science club

HACKDAVIS 2019 · Attendee — Feb. 2019 to Feb. 2019

Attended HackDavis, a yearly hackathon, and visited multiple workshops from companies like Google, OSIsoft, Twilio, and Centene teaching and showcasing how to use their APIs.