

KEVIN JOSEPH

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EDUCATION

Bachelor of Science, Computer Science, University of Texas at Austin

Expected Grad: May 2023 | GPA: 3.86

John Foster Dulles High School,

Graduated Summa Cum Laude (Top 5%) May 2019 | GPA: 3.84

EXPERIENCE

PetroED – Software Development Intern; Houston, TX

June 2018 – August 2018

- Built an interactive map software showing the locations of sales of the company for the marketing team to use in presentations.
- Developed a proposal generator system to facilitate input of sales information to estimate a quote of the price for a transaction.
- Worked in an Agile environment and used HTML5, CSS, and JS for front-end and Java for back-end development.

Mr. Jan's Math Class – Math and Science Tutor; Sugar Land, TX

May 2018 – May 2019

- Taught Math, Physics and Chemistry for students of all ages from 6th graders up to 12th graders during my senior year of high school.

SKILLS

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|--------------------------|---------------------------------------------------------------|
| • Programming Languages: | Java, C, C++, Python, Octave |
| • Web Technologies: | HTML5, CSS, JS, React, PHP |
| • Databases: | MySQL, MongoDB |
| • Others: | Linux Kernel programming, Python Scripting, MATLAB, Jira, Git |

RELEVANT COURSEWORK

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|------------------------------------------|--------------------------------------|------------------------------------------|
| • Operating Systems | • Artificial Intelligence | • Coursera Machine Learning by Andrew N. |
| • Data Structures and Algorithms | • Introduction to Data Mining | |
| • Computer Organization and Architecture | • Discrete Math for Computer Science | |

PROJECTS

- **Dynamic Memory Allocator | C**
Developed malloc and free system calls to allocate and keep track of dynamic memory asynchronously. Also built a 3-level cache block to speed up memory access times.
- **Virtual Memory Manager | C**
Built shared memory system to be accessed by multiple processes concurrently and allocate space in memory.
- **Fast File System | C**
Implemented indexed and extensible files along with file and directory related system calls including mkdir and chdir.
- **State-wise Voting Outcome prediction | Python**
Used Machine Learning to analyze data from past elections to predict states that will vote alike by applying Hierarchical clustering.
- **Home value prediction | Python**
Completed a Data Science problem where I implemented decision tree to predict the future sale prices of houses.
- **Art Recommender System | Python**
Used Apriori Association analysis on a student dataset to recommend pictures that they might like based off a survey.

HONORS

- National AP Scholar Award – Highest award of achievement on AP exams
- Eagle Scout Award – Recognition for reaching the highest rank and level of success in the Boy Scouts

LEADERSHIP EXPERIENCE AND ACTIVITIES

- Tutored at Boys and Girls Club, a community center for kids in an underprivileged community
- Managed a team to organize a schoolwide multicultural show featuring performances from around the world
- Worked as a teaching assistant to instructors at Houston Museum of Natural Science leading summer camp sessions for children

ADDITIONAL INFORMATION

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| Interests: | Play Piano, Chess, Mathematics, Finance |
| Work Eligibility: | Eligible to work in the U.S. with no restrictions |