

KEVIN JOSEPH

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EDUCATION

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

Expected Grad: May 2023 | GPA: 3.93

John Foster Dulles High School,

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

EXPERIENCE

PetroED – Software Development Intern; Digital technology company, 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 JavaScript for front-end and Java for back-end development.

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

- 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

- Programming Languages: Java, C, C++, Python, Octave
- Web Technologies: HTML5, CSS, JS, React, PHP
- Databases: MySQL, MongoDB
- Networking concepts: L2/L3 Forwarding and Routing, TCP/IP
- Tools used: MATLAB, Jira, Git

RELEVANT COURSEWORK

- Operating Systems – Dr. Allison T Norman
- Computer Organization and Architecture – Dr. Siddhartha Chatterjee
- Data Structures – Prof. Michael Scott
- Introduction to Data Mining – Dr. Anna Chaney
- Discrete Math for Computer Science – Dr. Adam Klivans
- Coursera Machine Learning by Stanford University – Andrew N.

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.
- **Art Recommender System – Python**
Used Machine Learning algorithms such as association analysis on a student data set to recommend pictures based off a survey
- **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.

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

Interests: Play Piano, Chess, Mathematics, Finance

Work Eligibility: Eligible to work in the U.S. with no restrictions