Tejvir Sohi

CONNECT WITH ME

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EDUCATION

University of California, Davis
B.S. Computer Science
Grad: December 2020

COURSEWORK

• Algorithm Design and Analysis – (2 Quarters)

• Software Development and Object-Oriented Programming

• Computer Architecture – (2 Quarters)

• Software Engineering

• Machine Learning and Regression Analysis

• Distributed Databases and Ledger Technologies

• Web Programming

• Data Structures and System Programming

• Computer Organization and Machine-Dependent Programming

INVOLVEMENT

Blockchain Club

• SMART contracts based on

Ethereum platform

Sep 2018 – December 2020

Space and Satellite Club

• Computer Systems Programmer

March 2019 – December 2020

Tennis Club

• Hit-Around Organizer/ Member

Oct 2017 – December 2020

Model United Nations

• UC Davis Delegation to different conferences

January 2019 – December 2020

PROJECTS

Distributed Database: "*Resilient Records*"
Resilientrecords.tech | August 2020 – December 2020
• Dynamic distributed access control using ResilientDB to handle medical data
• Researched and implemented proxy re-encryption through pyUmbral
• Modeled solutions using NuCypher and IPFS

Space and Satellite Club
Software Developer | March 2019 – June 2020
• Developed simulation to test reaction wheel and movement in space
• Developed flight control software and software to parse information from the satellite
• CubeSat (REALOP) mission to LEO slated to launch later in 2021

TECHNICAL SKILLS

Computer Languages
• C/C++, Python, HTML, CSS, Java, JavaScript (React, Angular, Node, Express), Assembly (Intel 8086), Scala, Lisp, Go, Prolog

Tools
• MS Visual Studio, Google Test, Eclipse, NetBeans, Microsoft Office Suite (Access, Word, Excel, PowerPoint, Project)

WORK EXPERIENCE

Academic Assistance and Tutoring Center – UC Davis
Tutor | January 2017 – June 2017
• Conducted bi-weekly individual tutoring sessions for 5 students.
• Received excellent performance reviews from students.
• Created material to help students better prepare for biology classes

VOLUNTEER EXPERIENCE

ICU – UC Davis Medical Center, Sacramento
Medical Assistant Internship | September 2017 – June 2018
• Prepared projects for clinical studies presented at the end of internship
• Assisted nurses in monitoring 10+ patients (e.g. taking temperature, pulse, blood pressure and other vital signs)

ICU and Operating Room– Kaiser Permanente, Sacramento
Med/Surge/Neuro ICU Shadow | January 2013 – August 2017
• Attended monthly presentations by multiple neurosurgeons understanding typical and atypical imaging findings of neurological diseases
• Witnessed of neurological and spinal surgery, including preparations and recovery processes