Abhik Ahuja

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EXPERIENCE

UC Berkeley EECS — *CS70 Academic Intern*

June 2020 - Present

Helps students increase their understanding of subject matter by assisting during discussion sections and explaining problem solving concepts. Teaches topics including mathematical proofs, cryptography, Markov chains, and probability.

Lodi Unified School District — *High School AVID Tutor*

January 2018 - May 2019

Tutored high school sophomores and juniors in academic questions from both high school and college level coursework, especially in mathematics.

EDUCATION

University of California Berkeley, Berkeley— *Double Major Computer Science and Mathematics*

August 2019 - May 2023 (expected) - 3.94 GPA

PROJECTS

Gitlet

- Version Control system similar to Git written in Java.
- Able to save and restore code bases along with remote repository capabilities.

AJA Messenger
- Messaging app with built in spam filtering using Naive Bayes classifier.
- Created during CalHacks 6.0
- Java – Android

Lines of Action

- Wrote game and GUI in Java.
- Created Alpha-Beta pruning and Monte Carlo Tree Search based AI's to study performance differences

Scheme Interpreter

- Wrote CLI interpreter for the Scheme programming language in Python.
- Implemented Tail call optimization and both lexical and dynamic scoping.

EXTRACURRICULAR ACTIVITIES

Open Computing Facility — *Staff*

August 2019 - Present

Staff at the OCF, a space dedicated to providing free computing resources to the Berkeley community using FOSS software.

SKILLS

Python Java Linux Scheme MySQL HTML CSS JS jQuery React.js Node.js Express MongoDB Bootstrap

LINKS

github.com/origamiman72   linkedin.com/in/abhik-ahuja   abhikahuja.com