

# ISHAAN DHAM

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## EDUCATION

### University Of California - Berkeley

BA Computer Science GPA: 4.0

Berkeley, CA

June 2021 - Expected May 2023

### Las Positas College

AS Computer Science & Mathematics GPA: 4.0 - Highest Honors

Livermore, CA

August 2019 - May 2021

**Relevant Coursework:** Structure and Interpretation of Computer Programs (**Python**, **Scheme**, **SQL**), Data Structures and Algorithms (**C++**), Object-Oriented Programming (**C++**), Assembly Language (**MIPS**), Discrete Mathematics, Multivariable Calculus, Linear Algebra

## SKILLS

Languages: Proficient: Python, C++, HTML/CSS. Familiar: Java, Javascript, SQL Scheme, MIPS  
Libraries/Frameworks: Node.js, Express, React, Flask

## WORK EXPERIENCE & PROJECTS

### Las Positas College Tutorial Center

Computer Science and Math Tutor

Livermore, CA

August 2020 - May 2021

- Created reference materials for students on programming concepts like data structures, pointers, classes, etc.
- Tutored one-on-one and group sessions in mathematical concepts like multivariable calculus, linear algebra, and more.
- Collaborated with other tutors to create a positive learning environment leading to a 93% satisfaction rate amongst tutees

### Spotify Favorite Song

Node.js, Express, React.js, MongoDB

Fall 2021

- Created a REST API backend containing endpoints for database and spotify developer API operations.
- Designed and created a component based user-interface that interacts with the backend.
- Collaborated with teammate to design, build, and configure schema for database.

### Scheme Interpreter

Python, Scheme

Summer 2021

- Created a parser to tokenize input and perform syntactic analysis on the input.
- Created an evaluator to perform evaluation of scheme expression represented as python lists into values.
- Integrated exceptions in evaluation for special forms such as 'and', 'or', and 'cond' expressions.

## EXTRACURRICULAR ACTIVITIES

### LPC Computer Science Club - Treasurer

Managed club activities and presented lectures on technologies such as Git, API's and web development.

### Alpha Gamma Sigma Honor Society - Webmaster

Managed and updated website to include campus and non-campus activities for community service, fundraising, and campus enrichment.

## HONORS & AWARDS

### Math, Computer Science, and Engineering Scholarship

Recognized for academic excellence in field of computer and math amongst students in engineering fields.

### Ethan Castor Memorial Scholarship

Awarded grant for higher education due to passion and dedication showed towards field of technology.