

SHREYA SAHOO

Email: shreyasahoo@berkeley.edu
Phone: (916)-934-4459
Website: shreyasahoo.github.io
GitHub: github.com/shreyasahoo

EDUCATION

University of California, Berkeley

Computer Science, B.A.

GPA: 3.75

- Coursework: Data Structures, Discrete Mathematics and Probability, Algorithms, Artificial Intelligence, Computer Architecture (In Progress), Internet Architecture (In Progress), Algorithms in Computational Bio (In Progress)

August 2016 - May 2020

SKILLS

Proficient In: Java, Python, TypeScript and Angular Framework, HTML / CSS

Some Experience: SQL, Adobe Creative Cloud

EXPERIENCE

Google, Engineering Practicum Intern

May 2018 - August 2018

- Designed and developed new features for an internal web application that performs checks on bulk changes made to Google Maps data and is used by 40 teams to process billions of changes annually
- Created a personalized and interactive user workflow by building a landing page for users to easily monitor the status of their bulk changes
- Full-stack development using TypeScript with Angular Framework and Java

UC Berkeley, CS 61A Undergraduate Student Instructor

August 2017 - Present

- Lead weekly lab sections, discussion sections, and office hours for students in the Structure and Interpretation of Computer Programs (CS 61A), an introductory computer science course with over 1500 students
- Strengthen students' understanding of Python, Scheme, and SQL fundamentals and core computer science concepts including recursion and object-oriented programming
- Previously a tutor for CS 61A in Summer 2017

ACTIVITIES

Upsilon Pi Epsilon (CS Honor Society), Professional Development Chair

May 2018 - Present

- Plan and host internship panels, resume and technical interview workshops, and an upper division course showcase for computer science students

Computer Science Mentors, Senior Mentor

August 2017 - Present

- Mentor a weekly section of five CS 61A students to reinforce course material
- Lead weekly meetings with junior mentors to go through worksheets and provide teaching advice
- Collaborate with senior mentors to develop content for worksheets, review sessions, and teaching guides

CS KickStart, Organizer (Industrial Relations, Lab Teacher)

August 2016 - August 2017

- Previous participant for CS KickStart, a week-long program for 30 freshmen women in Computer Science
- Connected with company sponsors for CS KickStart 2017; read applications of prospective participants
- Taught Python basics and helped participants in completing a photo collage coding project

Cognitive Exchange, President, Instructor

June 2013 - August 2016

- Taught intermediate and advanced speech classes to over 200 students in India ranging from middle school to college through virtual one-hour classes

PROJECTS

Bear Maps

March 2017

- Using Java, implemented the backend of a web mapping application that allows users to zoom into and navigate a map of Berkeley
- Finds the shortest route between two locations and includes an autocomplete search feature

Database

February 2017

- Built a database management system using Java that allows users to create, store and load tables, insert values into tables, and merge multiple tables together with different conditions

AWARDS

- Google Grace Hopper Conference Travel Grant, 2018
- Berkeley Grace Hopper Conference Scholarship, 2017
- Berkeley Leadership Award, 2016