

Parth Shah

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Education

University of California, Berkeley | 2016 - 2020

- Electrical Engineering & Computer Sciences
- Science & Math Education

Courses

- Data Structures, Algorithms, Design, Discrete Math, Information Devices, Circuits, Mechanics, Modern Education, Entrepreneurship

Skills

Technical

- Python, Java
- HTML/CSS, Javascript, React

Design

- Adobe Experience Design, Photoshop, In Design

Experience

CS 70 Course Staff

Fall 2017

- Part of the course staff for the Discrete Math & Probability Theory course at UC Berkeley
- Responsibilities include holding office hours and grading homework and tests

Teaching in Tanzania

Summer 2017

- Went to the small town of Shirati, Tanzania and taught math to middle and high school students for a month
- Improved math education in the school by presenting seminars on modern education to current teachers
- Learned how to teach with very limited resources and gained perspective on international education

ACE Lab at UC Berkeley

Summer 2017

- Worked in an educational technology lab under Armando Fox in UC Berkeley where I helped develop Autostyle
- Planned and conducted surveys to research opinions and coding style of prospective CS students

CalTeach

2016 - Present

- Taught math and improved student performance at Martin Luther King Jr. Middle School and Berkeley High School
- Took classes in modern STEM education to receive a teaching credential in mathematics
- Produced interactive lesson plans and taught a diverse group of students

ANova

2016 - Present

- Non-profit organization that teaches computer science at under resourced schools
- Taught computer science at after school programs and improved student performance
- Redesigned curriculum on designing and prototyping to make lesson plans more interactive and engaging

Projects

Athena | github.com/partyshah/athena

- Ed tech web app that allows educators to find and download high performing lesson plans
- Designed and prototyped web app in Adobe XD and worked on frontend
- Pitched business to VCs and improved business plan

Autostyle | Private Repository

- Style tutor that offers students realistic hints to improve code and learn better coding practices
- Organized backend, conducted surveys and analyzed data to improve product

Awards

Regents' and Chancellor's Scholar

- Most prestigious scholarship offered to UC Berkeley undergraduates
- Top 2% of incoming class

Noyce Scholarship Winner

- Scholarship for my excellence in teaching
- Selected for my passion for education, innovativeness of lesson plans, and public speaking abilities