

# Nisarg Shah

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## EDUCATION

### Bachelor of Science in Computer Science (CS), Minor in Statistics

University of California, Irvine  
Dean's Honor List (6 Quarters)

June 2020

G.P.A 3.58

## PROFICIENT LANGUAGES

Python, C++, C, JavaScript (ReactJS)

## FAMILIAR LANGUAGES

HTML / CSS, Java, Bash Script, SQL

## HARD SKILLS

Unix, Vim, Git, Data Structures, MongoDB, GraphQL

## SOFT SKILLS

Problem Solving, Communication, Leadership, Creativity

## WORK EXPERIENCES

### SOFTWARE DEVELOPMENT ENGINEER INTERN – AMAZON (JUNE 2019 – SEPTEMBER 2019)

- Built a robust consistency checker to enforce route table consistency internally on switches (aka routers)
- Gained experience writing production code that directly affects customer traffic
- Languages used: C, C++, Python, and Bash Script

### WEB DEVELOPER – ARDENT LABS (SEPTEMBER 2018 – PRESENT)

- Creating and maintaining functional Websites/Web-Apps for the organization
- Mentoring incoming interns to help develop their proficiency in JavaScript, HTML, and CSS

### RESEARCH – GRAPHICAL PROTEIN-PROTEIN REACTIONS (SEPTEMBER 2018 – MARCH 2019)

- Learned and worked with Graphs data structure, algorithm of interest includes SANA
- Research has the potential to make a tremendous impact on Healthcare, esp. cancer detection

## PROJECTS

### GIV – CHARITY GIVING RE-IMAGINED (FEBRUARY 2019 HACKUCI)

- Created a giving platform inspiring donors with short-form video, and a curated list of vetted orgs
- Used React Native (JavaScript) for native iOS and Android mobile application, alongside NodeJS (express GraphQL server) to manage database that is currently deployed on Google Cloud Platform
- Giv is built for an effort to encourage young donors in giving to NPOs and NGOs by making the experience seamless

### DATAFREE – SMS & VOICE SERVICE (JANUARY 2019 SBHACKS)

- Created a SMS and Voice service using the Twilio API, that helps its users know important information (directions, weather, nearest gas stations, trending posts on different social platforms, etc.) all while not using their data
- Used JavaScript heavily with NodeJS (express server), alongside querying through multiple APIs. Also, used HTML and CSS, for a website that displays the product and its features
- DataFree taps into the market where services are provided with limited/no data from the user

### EDURATE – GOOGLE EXTENSION (FEBRUARY 2018 HACKUCI) – HONORABLE MENTION

- Created a Google extension with a peer that rates YouTube videos on its educational value
- Used JavaScript, HTML, CSS frontend and Python backend to implement the analysis of YouTube video titles
- Building on improvements we can scale this project to serve as a way to block videos that do not meet certain educational percentage

## EXTRACURRICULAR PROJECTS & ACCOMPLISHMENTS

### BUTTERWORTH PRODUCT DEVELOPMENT COMPETITION | SECOND PLACE (JUNE 2019)

### NEW VENTURE COMPETITION | SECOND PLACE – SOCIAL ENTERPRISE (JUNE 2019)

- Pitched a platform to facilitate easy discovery of and interaction with non-profit organizations
- Developed a prototype app (Giv) to reimagine charity giving

### BUTTERWORTH PRODUCT DEVELOPMENT COMPETITION (JUNE 2018)

- Developed and pitched a platform to manage the cluster of physical spam mails
- Gained insights into the mechanics of marketing and financial modeling