

## Avinash Nandakumar

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Passionate and hard-working student with natural leadership, organizational, and people skills. I am an inspired, optimistic team leader and role player who will be tenacious and proactive to bring more success to your organization.

## EDUCATION

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University of California, Berkeley

Expected 2021

Major: Bachelor of Science in Electrical Engineering and Computer Science

Achievements: Leadership Award (2017), Regents Scholar Finalist (2017)

Coursework: Data Structures/Algorithms, Structure and Interpretation of Computer Programs, Designing Information Devices and Systems I/II, Multivariable Calculus, Physics 7A/B, Introduction to Data Science

Adolfo Camarillo High School, Camarillo, CA

8/13 – 6/17

Accomplishments: Graduated as Valedictorian, Ranked #1 in Class of 2017 in over 650 students

GPA: 4.73, 4.0

## EXPERIENCE

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Captain of Varsity Mock Trial

8/13 – 6/17

Adolfo Camarillo High School

- Lead team to state finals for the first time in 13 years as the head prosecution attorney
- Scheduled, coached, and mentored extra weekly practices while delegating workload and collaborating with team
- Achievements: Most Valuable Player (2017), Best Prosecution Attorney Ventura County (2017, 2016)

Math and Science Tutor

10/15 – 8/17

STEM Academy, Ventura County, CA

- Instructed and explained difficult concepts across subjects ranging from Pre-Algebra to Calculus, Biology, Chemistry, SAT, and ACT to students ages 12+
- Assisted students in studying methods and encouraged strong work ethic

Online Webpage Lead

8/14 – 8/17

American Cancer Society, Camarillo, CA

- Expanded and increased participation in activities related to American Cancer Society through updating and maintaining the chapter's website and emails
- Worked on a team of 10+ sub-teams to market, plan, and execute local Relay for Life event that raised over \$61,000 for cancer research and programs supporting patients and survivors

Electrical Engineering Junior Mentor

1/18

Computer Science Mentors, Berkeley, CA

- Teaches a small group of engineering students linear algebra and circuits material in a classroom style setting
- Provides support academic support and serves as a mentor to the students

Android App Developer

1/18

AmphibiaWeb, Berkeley, CA

- Building an android platform for a globally used biodiversity resource on amphibians for UC Berkeley Museum of Vertebrate Zoology

## PROJECTS/SKILLS

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### OpenDorm (Robotics at Berkeley Competition Fall 2017)

- Engineered a product with a team from scratch to help enhance the social experience of dorm living
- Built a fully functional prototype of the product using Arduinos, Bluetooth Control, and App Development

### BerkYak (Ruby on Rails Final Project)

- Developed a Berkeley specific version of YikYak using Ruby on Rails with a team of people
- Improved upon YikYak's original features of anonymity, voting, and geolocation

### 61B Project 2 (OOP Java Game)

- Coded a two-dimensional tile style game with full interactivity for players, levels, and game elements
- Worked with a project team and mastered productive Git workflow

Coding Skills/Languages: Java, Python, SQL, Scheme, HTML, CSS, JavaScript, Git Workflow

GitHub: [github.com/avinashnandakumar](https://github.com/avinashnandakumar)

Interests: Avid basketball player, outdoors and sports fan, aerospace enthusiast

Languages: Tamil, English