Avinash Nandakumar

Computer Science and Electrical Engineering Student

Personal Info

Address
2616 Telegraph Ave
Berkeley, CA 94704

Phone:
(805) – 603 – 5340

Email:
avinashnandakumar@berkeley.edu

LinkedIn:
linkedin.com/in/avinashnandakumar

Website:
avinashnandakumar.github.io/avinash

Skills

- C++
- C
- Java
- Python
- Javascript
- HTML, CSS
- Experience in AWS and Google Cloud Platform
- Strong leadership and communication skills
- Skilled in critical analysis and problem solving
- Loves collaborating and team player

Interests/Passions

- Smartphone technology
- Self-driving cars
- Avid basketball player
- Sports fan
- Outdoor and nature seeker
- Aerospace enthusiast
- Fluent in Tamil

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

University of California, Berkeley   Expected 2021
Sophomore (senior standing)
Bachelor of Science in Electrical Engineering and Computer Science
Achievements: Leadership Award (2017), Regents Scholar Finalist (2017)
Coursework: Computer Graphics, Advanced Algorithms, Artificial Intelligence, Computer Architecture, Data Structures, Principles/Techniques of Data Science, Discrete Math and Probability Theory, Designing Information Devices and Systems

EXPERIENCE

Full Stack Software Development Intern   8/18 – Present
Riptide, Berkeley
- Working with Angular and Node.js for frontend and backend development
- Developing and implementing support dashboard for chat application
- Designing and building analytics database for application events data analysis

Research and Development Software Intern   5/18 – 8/18
DP Technology ESPRIT
- Worked on Team INFRA assisting quality assurance of ESPRIT CAD/CAM software
- Presented new innovative and more efficient method of testing
- Used python, TeamCity and Git API, to gather data and run simulations
- Learned AGILE Workflow in software development environment

Systems Engineering Research Assistant   5/18 – 8/18
CSU Channel Islands, Prof. Dallali
- Worked individually on implementing and researching active ankle prosthetics
- Setup C linux environment with NI myRIO interfacing with ESCON motor and driver
- Successfully implemented PID feedback control loop and tracking capabilities

Please visit my website for detailed information about my project experience

ExtraCurricular

Senior Mentor for Computer Architecture/Electrical Engineering   1/18 – Present
Computer Science Mentors Berkeley
- Lead, advise six junior mentors in teaching concepts through weekly "family" meetings
- Teach curriculum in computer architecture, linear algebra, circuits to weekly sections
- Mentor and provide students support for their foundation in electrical engineering and computer science

Images of India Intern/Webmaster Intern   1/18 – Present
Asha for Education
- Help organize annual Images of India cultural show to raise awareness about ongoing charity projects improving education in India
- Redesign and implement brand new interactive website for Berkeley Asha chapter showcasing projects, members, and events