

Keshav Rungta

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EDUCATION

UNIVERSITY OF CALIFORNIA, SAN DIEGO

BS IN ELECTRICAL ENGINEERING
Expected June 2020 | San Diego, CA
Jacobs School of Engineering
Cum. GPA: 3.95
Major GPA: 3.98

LA MARTINIÈRE FOR BOYS

Grad. May 2016 | Kolkata, India

LINKS

LinkedIn:// [Keshav Rungta](#)
Github:// [Keshav919](#)

COURSEWORK

UNDERGRADUATE

- Components and Circuits Lab
- Circuits and Systems
- Intro to Analog and Digital Design
- Vector Calculus, Differential Equations + Linear Algebra
- Intro to Discrete Math
- Mechanics + Electricity and Magnetism + Fluids, Thermodynamics, Optics, Relativity + Quantum Mechanics
- Intro to Computer Science & OOP: Java

SKILLS

PROGRAMMING

Over 10,000 lines:
Java
Over 5,000 lines:
C • HTML • CSS • C#
Familiar:
C++ • JavaScript • Python

LANGUAGES

English • Hindi • Bengali

SPORTS

Golf • TableTennis • Karate

MISCELLANEOUS

Agile Software Development • Arduino
Soldering • Altium Designer
SolidWorks • Unity • EagleCAD
MATLAB • Oscilloscope
Function Generator • OrCAD Capture

EXPERIENCE

IEEE - MICROMOUSE | TEAM MEMBER

CAR WILL FIND QUICKEST ROUTE TO CENTER OF ANY 12' X 12' MAZE

October 2017 - Present | San Diego, CA

- Made schematics for the mouse
- Designed PCB using Altium and soldered electrical components onto PCB
- Designed and 3D printed mechanical components of the mouse using Solidworks

UCSDVR CLUB | PROGRAMMER IN TEAM LUCID

DREAMS OF PHILLIP AISLING - VR GAME TO TEACH PLAYERS LUCID DREAMING

Jan 2017 - Sept 2017 | San Diego, CA

- Worked on Character Control and Environment teams to make game for Google Daydream
- Used Unity and C# to design and develop character movement, UI, scene management and object interaction

VRTRACKING | Co-DEVELOPER

MOVE IN VR ENVIRONMENT WITHOUT EXTERNAL CAMERAS OR SENSORS

Jan 2017 | San Diego, CA

- Created tracking system that converted accelerometer data from phone to map position in VR environment
- Worked on data handling - finding way to convert acceleration data to position data
- Project placed 1st in UCSD Hack Day

ECE TUTORING | UNDERGRADUATE TUTOR ECE 5

CLASS SHOWCASES VARIOUS SPHERES OF EE: CONTROLS, DSP, CAD, COMMUNICATION, PCB DESIGN, ETC

January 2018 - Present | San Diego, CA

- Worked in the maker-studio (10-15 hours weekly) to help students with course work and lab work
- In charge of Advanced Programming workshops
- Helped improve the course and budget to reduce lab fee

VIDEO PROCESSING LAB | UNDERGRADUATE RESEARCHER

SUMMER RESEARCH INTERNSHIP PROGRAM PROF. TRUONG NGUYEN

THE PROJECT CREATES VR ENVIRONMENT FROM CAPTURED IMAGES

May 2018 - September 2018 | San Diego, CA

- In charge of creating the VR environment from given data point

AWARDS

2017 1st UCSD Hack Day

ORGANISATIONS

2017 Eta Kappa Nu (HKN) | Kappa Psi Student Member
2017 IEEE Staff Member