**Why did you choose this particular course?**

The world is progressing fast, there are new products needed to match the requirements of this progress. We use of maths and science to solve problems and create new products and services. As an electrical and computer engineer I will work at the heart of the most rapidly developing technology humankind has ever seen.Electrical and computer engineering is at the heart of most current technological breakthroughs. Any device with an energy or IT component is derived from ECE knowledge. From providing accurate medical diagnoses at a distance to exploring distant planets, ECE plays a crucial role. This dependency on ECE motivated me to pick this department.

**What interests you about this field?**

The progress in the field of automation,robotics,signal processing,and the reliance of every field in this present generation on this field, and my background of being strong in mathematics and physics made me choose Electronics and communication in my under graduate studies ,and this gave me a quest of learning more and creating a world that is easy to live in and my strengths of mathematics ,signal processing and coding interests me about this field.The seminar I attended on 5g conducted by nokia and the training I attended on the sixth sensetechnology( wearable gestural interface that augments the physical world) conducted by Technophilia systems have drawn my interest.

**what and when were the major moments in your life that have led you to your current course interest?**

From my childhood I was always interested in technology, and the first time when I saw my tv being repaired I desperately wanted to know how that was working, and that urge to explore has brought me this far and as time progressed the doubts started increasing and when I attended sixth sense training I definitely got interested in signal processing and the things that can be achieved using it.

**Specific classes or special courses that you have taken, which are related to your field of interest.**

As being from ECE domain I have participated in a numerous trainings and I have taken courses on iot ,java ,cadence and python programming.

**What knowledge do you have in this field? What is your opinion about the current status and future of this field?**

I posses a great knowledge in this field as I m from the same field, as what I see in the future is the entire world relaying on this particular field as everything now a days is being automated and to process complex signals this field is very necessary.

**What and who influenced your decision and interest (role-model). What quality about them appeals to you?**

Elon musk has influenced me a lot in choosing this field as what he deals with and dreams of is all the job of an ECE engineer and his far sightedness, his passion towards achieving dreams that seem impossible to others and his hard working nature appeals to me.

**Browse through the website of the University’s department/program of interest to you and highlight the aspects of the program that appeal to you. These should include 2-3 specific courses and professor names (with their area of expertise)**

The department that interested me is electrical and computer engineering, and the programs that interest me are the controls and robotics in this enabling robots to better perceive and operate in variable and uncertain real-world environments exits me and also would like to work under “susan hackwood” who is expertise in computer vision,3D modelling ,image processing and “jay a Farrell”. Similarly the other fields that intrests me are the communication and signal processing which is thought by “llyaduner” and “Amit K Roy chourdhury” and Computer engineering thought by Hyoseung Kim.

**Why did you choose to study in this particular country? What do you like about it?**

## Many of my friends and relatives study and stay there, despite that the Diversity and multiculturalism, High quality universities in America & student support, Opportunities to work after graduation, Space to be innovative. Moreover, universities in America, just like any other university in the developed world, tend to promote practical learning. Students seemingly have a lot more personal space to improvise and can carry out their own projects that might turn out to be something very big, and this is what I like about it.

## Why this University?

**Why have you chosen this particular University? Mention what you like about the university you are applying to, and why: facilities, infrastructure, etc.**

## The UC riverside is ranked one of the best in terms of research and the courses it offers. The courses match my field of interest and the research conducted by Hyoseung Kim has matched my ideas and it also correlates with my final year project.

## What are your expectations from both the program and the university? Highlight the gaps which you have identified in your knowledge, which this course will bridge. Why are you looking forward to study here, or what skills you are looking to acquire through this course?

## I have always been a dreamer and my wildest dream of having vehicles running without human assistance and with clean energy, and the space vehicles travelling at almost the speed of light have almost driven me this far. The Controls and Robotics domain will help me build autonomous vehicles which has always been my dream.

**What characteristics of the school/department/program can help you accomplish your goals? Please check if they have any industry specific tie up for hands-on experience**

## The research work that is happening at the university and the highly trained and research oriented faculty would enable me quench the thirst for knowledge in a more easy way. especially the work of Hyoseung Kim is by far matching what I have dreamt to excel in .

**Do you have the knowledge of a specific faculty member with whom you would like to work, mention your interest and why? Is the research area aligned to your goals either short term or long term?**