WHAT DID YOU LEARN?

MY COURSES HAVE INCLUDED:

Electronic Devices and Circuits
I learned how to design transistor circuits, including amplifiers and digital logic.

Digital Signal Processing Design and Laboratory
I designed equalizers and filters for classic rock music and built an echo-canceling filter in the lab.

Embedded Computing Systems
I built a microprocessor-based digital piano with keypad, LCD and a speaker.

Senior Design Project
Relying on the skills developed in my previous classes, I took part in a multi-quarter project to build a remote-control hovercraft.

Computer Networks
I built an internet chat program that allowed me to stay in touch with my friend in New York.

Introduction to Artificial Intelligence
I learned to make a game-playing softbot that could beat me at a maze-solving video game.

WHO ARE YOU?

I am a persona based on UCI students majoring in Computer Science and Engineering.

My name is Krishna, and I grew up in San Diego. I chose this major because I wanted an equal balance of hardware and software in my coursework.

I’m particularly proud of a recent class project. Our professors really encouraged us to do something that has never been done. I worked with three other students to create an automated solution to a labyrinth board game using image processing and the OpenCV libraries. We also utilized an Arduino to physically move a metal ball around the board, using servos and a Nintendo Wii Nunchuk controller.

Last summer I interned with Canon, which was developing its own line of HDTVs. I researched several ways of designing the user interface and documented my findings for the Japan office. I also served as a residential advisor for two years in Middle Earth housing, which helped me grow as a person. Being able to help freshmen adapt to college life made me feel like I was part of something important.

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www.ics.uci.edu/prospective
// With a degree in Computer Science and Engineering from UCI, you might work as a product manager for iRobot, developing exploration strategies for robots so that rescue workers can save people’s lives after an earthquake.
// You could become an embedded software engineer with Western Digital, designing firmware for solid-state hard drives and other devices for next-generation computers.
// Or you might get a job as a systems engineer, working with GE to develop wireless networked sensor systems for health care monitoring, to help lower health care costs and provide better, more efficient care.

“The variety of subjects and courses, along with the requirement to complete one of four specializations, give CSE majors a strong advantage when we enter the job market. We can pursue employment opportunities in diverse areas, ranging from embedded systems to artificial intelligence, and any number of other established or developing fields.”
——MUHAMMAD (AKA MO)

“I really enjoy the upper-division Algorithms classes. I like working on challenging problems and examining in detail the mathematical concepts behind theories and their proofs. Outside of classes, I have gained research experience developing a telescope control system to identify stars. I’ve also interned at a telecommunications firm, analyzing network security.”
——ANSON

“I worked at Intel Corporation in Irvine as a technical engineering intern. I was assigned to the pre-silicon validation team and was responsible for reading the specifications, writing requirements and validating some portions of the project. For fun, I play basketball and have also learned how to throw and catch a boomerang.”
——CHRISTOPHER

Not sure Computer Science and Engineering is the right major for you? Check out our complete degree programs listing at www.ics.uci.edu/prospective. We offer several minors as well.

Have questions for one of our counselors? Call the Student Affairs Office at 949-824-5156 or email ucounsel@uci.edu.