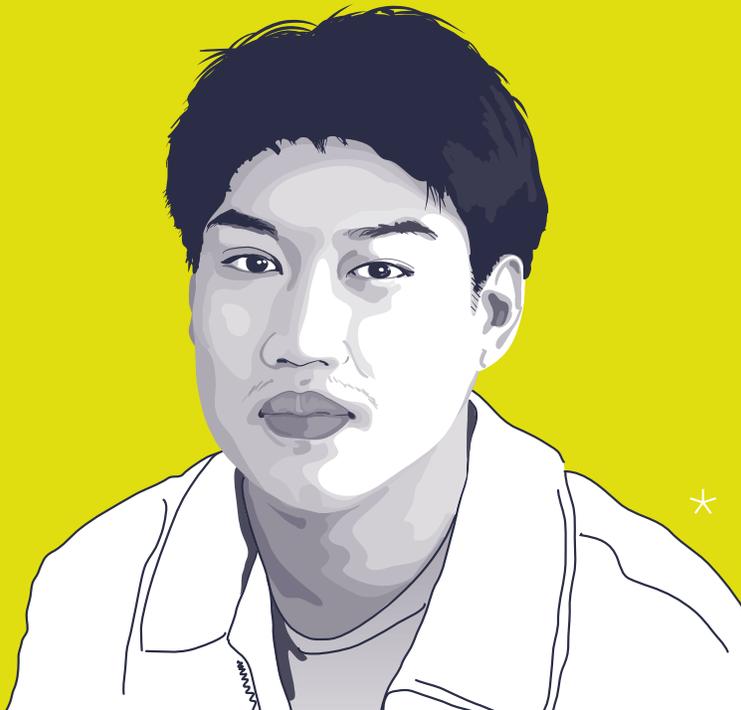


# SOFTWARE ENGINEERING @ UCI



## >>> WHO ARE YOU?

★ I am a persona based on UCI students majoring in Software Engineering.

My name is Kevin, and I was born and raised in Cupertino. I decided to major in Software Engineering because I'm interested in creating Web and mobile apps.

The professors here are great about teaching us how to build, understand and improve complex systems. I've particularly enjoyed a course in which my team and I developed an entrepreneurial project. Over three quarters, we created a new way for photographers, models, make-up artists and stylists to market their portfolios and network with each other. We got to demo our work at a recent project showcase event, and we've also entered it in the school's annual product development competition.

When it comes to pursuing internship opportunities, I've found myself competitive with master's students from other institutions. It's also nice to see that many of my classmates have been able to start their own companies, work as consultants for large multinational corporations, or join organizations like Twitter.

## >>> WHAT DID YOU LEARN?

### MY COURSES HAVE INCLUDED:

#### Advanced Programming with C++

I developed an eBay-style online auction and bidding system.

#### Software Architecture

I got to design a virtual lunar lander software system.

#### Project Management

I learned how to actively plan and balance my time among multiple competing projects.

#### Software Design II

I reverse engineered a software system that supports sketching on tablets and improved its code quality by applying software patterns.

#### User Interaction Software

I learned to use the Android mobile phone compass, orientation and location sensors.

#### Software Testing, Analysis, and Quality Assurance

I applied a variety of automated testing techniques, and found and fixed a bug in a real open source project.

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## >>> POSSIBLE CAREERS

- // With a Software Engineering degree from UCI, you might work for Facebook, designing the infrastructure and applications that we all use every day.
- // You could be a software team lead at Google, contributing a component to the next version of its Android operating system, search engine or Picasa Web.
- // Or you might get a job as a software architect at IBM, meeting with clients all over the world to design turnkey systems that support their business processes.

## >>> ICS STUDENT SOUND BITES



“Studying Software Engineering has exceeded my expectations. I thought I would just be learning the fundamentals of programming, but there’s a solid focus on user interaction, software design, software testing and software tools. There is also an emphasis on project management, teamwork and collaboration skills. The project courses, in particular, offer students a great transition from the academic world to industry.”

—DANIELLE

“Beyond gaining technical skills, I have learned theoretical concepts and soft skills — all of which have helped me succeed outside of the classroom and secure a job in the IT industry before graduation.”

—MARTINA



“The SE program at UCI teaches us how to understand complex systems, improve them and build them from the ground up. This major is for anyone interested in changing the world, making an impact on the way people live, and building products that people will truly love to use!”

—MICHAEL

## >>> MORE INFO

Not sure Software Engineering is the right major for you? Check out our complete degree programs listing at [www.ics.uci.edu/prospective](http://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](mailto:ucounsel@uci.edu).

**Ready to apply to UC Irvine? Visit [www.admissions.uci.edu](http://www.admissions.uci.edu).**