The Master’s program in Computer Science offers a unique choice of courses ranging from foundations of computer sciences, software and computer systems to big data and construction of software. It also includes emerging disciplines such as Biocomputing.
Laetitia Henriot: “My contract was signed even before finishing my Master in Computer Science. I started my career as a consultant in Zurich. After two years in projects development, I am now directing a strategic project.”

Jean-Philippe Pellet: “I cofounded, with two EPFL classmates and friends, a software company, Wizzy Education Technologies. Making our own company work is a promising challenge.”

A cell phone application enables Indian farmers to better negotiate the sale of their harvests

What is the current market price of rice or peanuts? These are crucial questions that Indian farmers ask themselves. However, many of these farmers cannot read or write. With their cell phone, they can nevertheless connect to one another and exchange this information thanks to Farmbook, which uses icons and a text-to-speech system. “Sharing this information places them in a position of strength during negotiations!” adds Oscar Bolaños, the student involved in this project.

Are you ready for a new generation of personal coaches?

Who has never dreamed of having a personal lifestyle coach? This is the challenge taken up by Danni Le, Javier Martín de Valmaseda and Loya Aniruddha. “Did you know that you can be more productive by taking a break?” “How about contacting a friend?” “Maybe you should drink a glass of water or stretch your neck before you go on?” To have trustworthy results, two different sensors and a smartphone are used. They are worn around the wristband to measure electric impulses and skin temperature. Combined, the data help to determine what mood you are in.

Discover the whole story:

Discover the whole story:
The program includes a compulsory 8-week internship which can be extended to 6 months and combined with the Master's thesis.

Students may choose a 30 ECTS specialization in:
- A Computer engineering
- B Data analytics
- C Foundations of software
- D Cyber security
- E Networking and mobility
- F Signals, images and interfaces
- G Software systems
- H Wireless communications
- I Computer science theory
- J Internet information systems

Or a 30 ECTS minor included in the 120 ECTS.

Recommended minors with this program:
- Biocomputing
- Biomedical technologies
- Computational science and engineering
- Management, technology and entrepreneurship
- Space technologies

Instead of a minor, students may opt for a Teaching specialization (30 ECTS at the Haute école pédagogique du canton de Vaud).

Career prospects

The EPFL Innovation Park, literally two steps away, is home to numerous R&D laboratories from international companies such as Cisco, Logitech, Credit Suisse or Nitto Denko. Such companies closely collaborate with the researchers from the School of Computer and Communication Sciences IC. The EPFL Innovation Park is the springboard for plenty of start-ups, most of them stemming from the IC School. It only takes an average of 10 weeks to find one’s first job in the field of Information and Communication Technologies (ICT). Moreover, many graduates in the ICT field receive a job offer during the last semester of their training. Companies like Facebook, Google and Microsoft have even begun recruiting directly on campus.

School of Computer and Communication Sciences
go.epfl.ch/master-computer-science

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