

# Solal Pirelli

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linkedin.com/in/solalpirelli

## Education | **PhD in Computer Science**

EPFL, Switzerland – ongoing  
Advisor: George Candea

## **Master's in computer science**

EPFL, Switzerland – February 2018  
GPA: 5.6/6

## **Bachelor's in computer science**

EPFL, Switzerland – July 2015  
GPA: 5.2/6

## Publications | **A Simpler and Faster NIC Driver Model for Network Functions**

[S. Pirelli](#), G. Candea. OSDI '20

## **Verifying Software Network Functions with No Verification Expertise**

A. Zaostrovnykh, [S. Pirelli](#), R. Iyer, M. Rizzo, L. Pedrosa, K. Argyraki, G. Candea. SOSP '19

## **Performance Contracts for Software Network Functions**

R. Iyer, L. Pedrosa, A. Zaostrovnykh, [S. Pirelli](#), K. Argyraki, G. Candea. NSDI '19

## **A Formally Verified NAT Stack**

[S. Pirelli](#), A. Zaostrovnykh, G. Candea. KBNets workshop '18 (Best Paper Award)

## **A Formally Verified NAT**

A. Zaostrovnykh, [S. Pirelli](#), L. Pedrosa, K. Argyraki, G. Candea. SIGCOMM '17

## Experience | **Software Engineer Intern**

Microsoft – Summer 2017

Developed a prototype of a distributed SQL query executor on Apache Hadoop.

## **Software Developer**

PocketCampus – 2014-2018

Ported the official EPFL app to Windows Phone in C#, with ~300 users and a 5-star Store rating.  
Implemented parts of the server in Java, with ~10,000 users across iOS, Android, and Windows.

## Service | **Artifact evaluation committees**, OSDI 20, EuroSys 21, OSDI 21

## Volunteer work | **PolyProg** – EPFL competitive programming association

Member since 2014, Vice-President in 2015, President in 2016-2019

## **LauzHack** – EPFL's largest hackathon

Organizer since 2016

## Achievements | **Teaching Assistant Award** – Fall 2015, Fall 2016

For outstanding work in the Software Engineering course with Profs. J. Larus and G. Candea  
Led student teams in projects using the Scrum process with weekly sprints and code reviews

Languages | **French**, native

**English**, fluent