

Christopher Chiche - Software Engineer - EPFL



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About me

Polyvalent - Innovative - Engaged - Forward thinker - Open Minded - Leadership - Team Player
Independent - Dynamic - Technologist

Experience

2013-2015 – SOFTWARE ENGINEER, OPTUMSOFT, MENLO PARK, CALIFORNIA (REMOTELY)

- **Distributed systems and networks:** build distributed applications, improve distributed software and solve core problems in the system using c++ and python. Wrote an API for the internal DB in JavaScript. Improved the C++ and Python APIs.
- **Work under the supervision of Prof. David Cheriton:** head of Stanford's distributed system group.
- **Customer engagement:** data visualization and front-end prototyping using d3.js and React.js.
- **Internal tools:** integrated automated testing for JavaScript code to an internal continuous integration system, internal services upgraded to use latest technologies such as front-end rendering and internally developed database system instead of MySQL databases.
- **Documentation:** lead technical writers, create data flows and processes, write documents.
- **Team:** mentor of interns and new hires, promotion of new communication mediums such as Slack, team building events.
- **Programming languages:** Python, JavaScript, C++, TACC (internal programming language), bash.

2013 – MASTER THESIS INTERNSHIP, OPTUMSOFT, MENLO PARK, CALIFORNIA

- **Project:** Real time monitoring and scaling of a highly distributed and performant hash table.
- **Key skills:** Low performance impact through reactive programming. Data visualization using d3.js.
- **Customer demo prototypes:** promoted the company's programming language and products by creating proof of concept end to end applications.

2012 - CO-FOUNDER AND LEADER OF THE "LIGHTPAD" PROJECT

- **Project:** Create a product to help manage small lightning setups (clubs, restaurants...) with an iPad.
- **Role:** In charge of the business side of the project. Filed multiple venture contest applications, defined the pricing of the product, wrote a business plan.
- **Achievements:** Finalist of the AXA Venture Award.
- **Other entrepreneurship experience:** Participated to Venture Challenge classes, startup weekends and hackatons.

2011-2012 – STUDENT ASSISTANT , VICE-PRESIDENCY FOR TECHNOLOGY TRANSFER, EPFL

- **Project:** Designed a dynamic search engine for Montreux Jazz Festival's digitalized archives (candidate for UNESCO's World Heritage List).
- **Programming languages:** Scala, Liftweb, MySql

2010-2012 – PRESIDENT, CLIC, COMPUTER AND COMMUNICATION SCIENCES STUDENTS ASSOCIATION, EPFL

- President and founder of the association
- Lead the association in order to organize events with up to 300 participants and represent student's interests.
- Did all the administrative work to create the association.

2010-2012 - LEAD RADIO ANIMATOR, FREQUENCE BANANE, LAUSANNE

- Lead a radio show with a team of 4 to 6 people.
- Organized shows and engage the community of auditors.

2010 – STUDENT ASSISTANT , PROGRAMMING METHODS LABORATORY – 2010

- **Project:** Upgraded the Scala documentation tool to adapt it to new features of the language.
- **Highlight:** Birthplace of the Scala programming language.

Education

EPFL, SWITZERLAND – 2009-2013

Master and Bachelor in Communication Systems - Specialization in Signals, Images and Interfaces.

Relevant classes: Algorithms, Signal processing, Computer networks, Cryptography, Image and Video processing, Advanced Programming in Scala, Human Resources in Projects, Technology and Innovation management.

LYCÉE MASSENA, NICE, FRANCE - 2007-2009

Preparatory classes for grandes écoles (MPSI-MP). Advanced Mathematics and Physics.

Skills

Programming	Python, JavaScript, C++, Java/Scala, HTML5/CSS3, React.js, d3.js, Twitter Bootstrap, Python Tornado, Docker
Systems	Mac, Linux, Vim, Bash
Tools	Vim, Git/Github, Perforce, SVN, Trello, Slack, Bugzilla, Markdown/Asciidoc
Languages	French (mother tongue) English (fluent, C1) German (willing to learn)

Interests

Communities: Top 7 answerer on d3.js and top 5% overall on StackOverflow.

<http://stackoverflow.com/users/1041692>

Sports: Climbing, snowboard, hiking, golf.