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JOEY CLOUVEL

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EXPERIENCES

Associate Software Engineer **Goldman Sachs** **May 2018 to present**
(London, England)

Global Credit Technology (FICC)

Senior Software Engineer **RemitONE** **May 2015 to May 2018**
(Software Engineer until April 2017) *(London, England)*

Money transfer software solutions for banks, Money Transfer Operators (MTOs) and B2B.

- Increased security with 2FA, Encryption, Blacklist, AML and KYC implementations.
- Wrote technical specifications for 64 client projects.
- Engineered an internal platform to control and perform Data Analysis on client systems.
- Integrated with 22 third party systems.
- Specked out and supervised the development of a white labelled Android app.
- Improved internal code quality by introducing branches, merge requests and code reviews.
- Technologies used: PHP, Java, Doctrine, PostgreSQL, SOAP, REST, cURL, JavaScript, Laravel, Symfony, Mercurial, Git

Master research **Oxford Brookes University** **May to September 2014**
Cognitive Robotics Laboratory

Real-time pointing gesture recognition system

- Built and trained an Artificial Neural Network using back-propagation with an accuracy of 88.1 %.
- Increased state-of-the-art pointing direction accuracy to 5.3°.
- Technologies used: Python, Kinect, PyOpenNI, OpenCV, NumPy, PyQt, Git.

Developer **Arvitek & SEA** **November 2011 to September 2013**
(Remotely in Tianjin, China & London, England)

- Development of a private web-application to coordinate all interventions, provide simplified feedbacks and securely hold client informations; used daily by all employees.
- Developed a tailored framework of a social network with private messaging, friend lists, ranks based on overall activity and event planing.
- Technologies used: PHP, MySQL, SASS, jQuery, Gmail API, Google Maps API, Grunt, Git.

Software Engineer, Intern **Nexalogy** **May to September 2011**
(Montréal, Canada)

Java Twitter streamer app

- Improved application stability and reliability; increased its processing up to 50 tweets /s.
- Increased performances through multi-threading and memory optimisations.

Social media trends analysis web-app development and bug-tracking (Twitter, Facebook, Google+)

- Integrated real-time statistics and controls of the twitter streamer with graphics.
- Improved latency through advanced deferred module loading.
- Fixed all known issues from the bug-tracker and updated the documentation.
- Technologies used: PHP, Codelgniter, MySQL, HTML, CSS, jQuery, Highcharts, SVN.

Developer & Technician**ISD Informatique**
(Moûtiers, France)**July to September 2009 & 2010**

- Development of showcase websites and a taxi booking solution.
- Created a tailored back-office to handle hotel reservations online.
- Implemented Debian network solutions. Installed hotel WiFi hotspots (secure access and logs).

EDUCATION

Oxford, England**Oxford Brookes University****Fall 2013 – May 2014**

- **MSc. in Software Engineering, with distinction.** GPA: 3.97 out of 4.0
- Graduate Coursework: Formal Software Engineering; Paradigms of Programming; Software Production; Programming Applications; Secure Systems Architecture.
- Implemented B Method and Spec# projects with complete validation.
- Experimented with: Imperative languages (Ruby), List-based languages (Lisp), Concatenative languages (Factor), Functional Programming (Haskell), Logic Programming (Prolog).

Nice, France**Supinfo International University****Fall 2009 – May 2013****Montréal, Canada****London, England****Tianjin, China**

- **MSc. in Computer Science.** GPA: 3.28 out of 4.0
- Member of security and iOS development laboratories.
- Learned and re-enforced my knowledge in the followings:
 - Development: HTML, CSS, JavaScript, C, C++, Java, PHP
 - Database: Oracle PL/SQL 11G
 - Other: Web strategy, Agile
- Experienced with the followings even if they do not suit my preferences:
 - Development: Assembly, Objective-C, Android, Windows Phone, iOS
 - Network: Cisco CCNA & security, Microsoft Sharepoint & Exchange, VOIP
 - Administration: Mandriva, Suse, Kali, OSX server, Windows server
 - Other: Ethical Hacking, IT law & management, ITIL, Merise

Hyères, France**Maintenon Private High school****June 2009**

- French Scientific Baccalaureate, diploma of Collegial Studies equivalent, with honours.
- Speciality: Physics and Chemistry.

KEY SKILLS

Software development

C++ (+ Qt & SDL), Java, Python

Web development

PHP (OOP), SQL, HTML, CSS (+ SASS, Bootstrap), Javascript (+ jQuery, Node.js)

LANGUAGES

- **TOEIC:** Scored 970 out of 990 at Beijing Language and Culture University (China) in April 2013.
- **French:** fluent (native). **English:** fluent. **Spanish:** intermediate. **Mandarin & Japanese:** beginner.