

Botu SUN

+33 (0)6 87 91 28 57 | I1-027, Maisel Telecom Bretagne, 29280 Plouzané, France
botu.sun.cn@gmail.com | www.sunbotu.com

— Experience

Software Engineer Intern, Google France
YouTube Engineering Team, Paris

Mar 2014 – Sep 2014

Maintained both **front-end** and **back-end** of a dashboard website with **Django/Python** architecture; implemented tens of features and bug fixes that retrieve data with **BigTable, XHR, RPC, JSON** and improve user experience with **JavaScript/Closure Library**; implemented and executed **MapReduce** jobs; added **statistical analysis data visualization** with **Google Visualization API**

Retail Price Optimization Software, Software Engineer Internship, IBM France
Carrefour Integrated Account Group, Paris

Jul 2013 – Dec 2013

Refined and tuned a **pricing software** in the retail industry built on **ILOG Optimization** components; **reengineered** the **optimization kernel** to improve **performances**; implemented **post data processing** and **interactive GUI** in **Java**; **coordinated** with client executives and technical experts

— Education

Telecom Bretagne, Brest, France
Engineer's Degree

2011 - Present

GPA: 3.72/3.9

Coursework: **Advanced algorithms, Distributed computing, Software engineering, Database programming, Graph theory, Network performance, Network queuing system**

University of Electronic Science and Technology of China (UESTC), Chengdu, China
B.Sc. Computer Science and Technology

2008 - 2011

GPA: 3.41/4.0

Coursework: **C/C++ programming, Advanced Java, Operation systems, Embedded systems development, Discrete mathematics, Computer architecture, Compilation principle**

Award: Microsoft Student Challenge - **Excellent Innovation Award**: Campus service system based on fingerprint Identification; Second Class of People's Scholarship

National Taiwan University of Science and Technology (NTUST), Taipei, Taiwan
Exchange Student, School of Computer Science

Feb 2010 – Jun 2010

— Projects

Real-time big data analytics, Semester project, Telecom Bretagne
Department LUSI of Telecom Bretagne & Technicolor

Feb 2013 – Jun 2013

Analyzed existing **open source real-time big data analytics** platforms; implemented an algorithm searching for **trending patterns**; applied and test the algorithm on **open source Twitter Storm** platform for **dataflow processing**

Chat While Watching, Networking course project, Telecom Bretagne

Sep 2012 – Dec 2012

Redacted an application-layer **protocol specification**; implemented the protocol with a simple but reliable chat room application using **Python** and **Socket Programming**

Sport Site localization: SportMe, Semester project, Telecom Bretagne

Feb 2012 – Jun 2012

Designed and developed an **Android application** for sportive sites' localization; accessed remote data using **HTTP** and **JSON** request

— Skills and other activities

Programming Languages : C / C++ / Java / Python / JavaScript / SQL / Matlab / PHP / HTML

System & Software : **Android SDK, Linux, Git/Svn, Eclipse, Adobe Creative Suite**

Languages : **Chinese (native), English (fluent), French (fluent)**, German (beginner)

Other activities : Assistant instructor in Telecom Bretagne helping students with coursework;
Vice president of *Club China* in Telecom Bretagne;
Founder of *Rubik's Cube Club* of the university in 2009
Fingerstyle Guitar, Mountain Biking, Ping-Pong, Photography