Saalik

Hatia

LANGUAGES: French, English, Indian languages (3)
FRENCH CITIZEN
31/10/1991

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PhD student in Distributed Systems at Sorbonne Université
Programmer specialized in UNIX/Linux, data structures, distributed algorithms and system optimization.

EDUCATION

Master of Computer Science   **2015-2019**
Distributed Systems and Applications
C, UNIX, JAVA, Distributed Algorithms, Machine Architecture
University Pierre et Marie Curie, Paris

Bachelor of Science Computer Science   **2015**
University Pierre et Marie Curie, Paris

EXPERIENCE

PhD Student   *Current*
At LIP6, Sorbonne Université
PhD advisor Marc Shapiro.
Research on the **specification** of a Key-CRDT back-end store **mixing operations and states** and supporting **transactional causal consistency.**

Teaching Assistant   *Current*
At Sorbonne Université & Polytech Sorbonne
Teaching Java, Linux programming, Object Oriented Programming, Concurrent computing.

Research Intern   **7m 2018**
At LIP6, Sorbonne Université
Research on the **specification** of a Key-CRDT back-end store **mixing operations and states** and supporting **transactional causal consistency.**

Product Manager   **1y 2015/2016**
At ookee
ookee was a **startup** building a phone running Android with services for senior users.
I was the **Product Manager of Services**, from **business development** to vulgarization to design.

Event Manager   **4y 2014 – 2018**
At Mahola Agency
Mahola is the French leading agency specialized in events. My job was to manage teams during event.
The **size of** my **teams** varied from **5 to 40 people.**

PROJECT

Terminus (GNU Linux kernel module) 2017 (1 month)
At UPMC
Built a Linux command shell client and a kernel module. The utility let the user ask for memory info, kill some task, wait for some, get some module info.
Linux Kernel Programming

Memory Allocation Handler
At UPMC
Handling memory allocation in a Unix-Like OS at boot. Allocating memory using the MMU and handling mapping of virtual addresses to physical addresses making use of multilevel page tables.
MMU, OS Architecture, Lazy Allocation

VIDE App (6 hours)
Personal
Learning how to build, designed, built and designed a simple clean note app on Android.
Android Studio, Java, Android SDK

PHOENIX5K 2016 (4 months)
At UPMC
Project in Ruby interacting with a REST API, to deploy, run and supervise Basho bench and Antidote on Grid5000;
Design, Implementation, REST, Antidote.

ookee Website design
At ookee
Worked with senior management and the designer on the website. It targeted two separate demographic targets and sell our product to mass market.
Wireframe, Workflows, Prototyping, Web Dev

UI/UX Consulting
At ookee
Analyzing the existing setup process of the device pointing out the main flaws for the end user.
Software quality analysis

Programing languages

Main

C   **JAVA**

Familiar

OCAML   Python   Bash   Scala

Perl   Assembly(MIPS)

Skills

Machine Arch.	Kernel Prog.	Wireframes
Client-Server	Arduino	Vulgarization
Management	Assembly	Android Dev
POSIX	OSes	Distributed Sys

Hobbies: Physics, Climbing, Reading, TV Shows, Design