

Alexander Hoffmann

Looking for a 6 months software engineering internship during Summer 2021

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EDUCATION

- **ECE Paris** France
Master of Science in Computer Science *Sept 2016 – Sept 2021 (Expected)*
- **University of California San Diego** CA, USA
Extension program in Computer Science and Engineering *Sept 2018 – Dec 2018*

EXPERIENCE

- **Junior Software Developer** Duesseldorf, Germany
Sadnacaya GmbH & Co. KG *Aug 2018 - Present*
 - Creation of a Python script to upload a file onto an OCR web server and retrieve it as a PDF.
 - Configuration of a Manjaro VM onto a QNAP NAS to automatically back up mission-critical data on Write-Once-Read-Many archive storage.
 - Implementation of a OPNSense Firewall onto a virtual machine.
 - Development of an image analysis tool aiming to scan invoices and export its content to a database.
- **Junior Software Qualification Consultant** Duesseldorf, Germany
Ayacandas GmbH *May 2017 - Present*
 - Development of an exchange platform for hospitals and other medical institutions.
 - Quality control of the system to ensure that the software solution developed meets the requirements.
 - Analysis of the anomalies, documentation of the tests carried out and progress report on the test campaign.
- **Software Developer Intern** Paris, France
Prfecture de police de Paris *Jul 2019 - Aug 2019*
 - Development of a Java application to control backups and automatically notify system administrators.
 - Implementing new features to local web applications to meet user demands and improve overall performance.

OPEN SOURCE PROJECTS

- **Coin counter (Java)** [github] : Implementation of OpenCV Coin Detection in an image.
- **Node metrics (Typescript)** [github] : Simple web API to work on metrics.
- **Docsight (Java)** [github] : A tool for detecting text in an image using OpenCV.
- **School Management Tool (Java Spring MVC)** [github] : A web-based, extensible platform for managing schools. Used Hibernate to implement a relational database. Created a dynamic search engine using Elasticsearch.
- **Ecezon (HTML5, CSS, PHP Laravel)** [github] : A free, open-source e-commerce platform written in PHP based on Laravel. Implemented online payments with Stripe. Created dynamic search engine using Algolia.
- **Watermelon (ReactJS)** [github] : Simple payment app between individuals (locally).
- **Mini Router (C/C++)** [github] : Simple router given a static network topology and routing table.

PROGRAMMING SKILLS

- **Languages** : C, C++, Java, Python, SQL, L^AT_EX, HTML, CSS, PHP, UML.
- **OS** : Microsoft Windows, Linux.
- **Software & Technology** : VSCode, Eclipse, vim, Wireshark, Github, Maven, Oracle VM VirtualBox, GParted, OPNSense, REST API, Hibernate, Elasticsearch, Travis CI.

VOLUNTEER WORK

- **Teaching Assistant** Paris, France
ECE Paris *Sept 2019 - Present*
 - Assisting the instructor by providing tutoring to individual students or small groups of students in C/C++.
- **Treasurer** Paris, France
Genius Campus Eiffel *Apr 2019 - Present*
 - Holding a volunteer position as a treasurer at the entrepreneurship club at ECE Paris.
 - Overseeing and presenting budgets, accounts and financial statements to the management committee.

SKILLS & INTERESTS

- **Languages** : French (mother tongue), German (mother tongue), English (fluent), Spanish (notions).
- **Actuarial science** : applying mathematical and statistical methods to assess risk in finance.
- **Hobbies** : cycling, athletics, chess.