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

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++.

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.

Assistant IT Administrator — Dsseldorf, Germany
Baum Reiter & Collegen — *July 2018 - Aug 2018*

- Participation in the creation and automation of complaints.
- Assistance and advice of users on site.
- Supervision of cloud platforms.

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.
- **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.
- **Mini Router (C/C++)** `[github]` : Simple router given a static network topology and routing table.

TECHNICAL SKILLS

- **Languages (alphabetically)** : C, C++, CSS, HTML, Java, LaTeX, Markdown, PHP, Python, SQL, UML.
- **OS** : Linux, Microsoft Windows.
- **Software & Technology** : AWS, Computer Vision, Elasticsearch, Github, Gitlab, Hibernate, Maven, Networking, NodeJS, OPNsense, REST API, Travis CI, vim, Virtualization, Wireshark.

VOLUNTEER WORK

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.