

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

- **Software Developer** Paris, France
Freelance *April 2020 - Present*
 - Write server-side code for web-based high-volume production application (120,000 unique visitors/mo).
 - Design, develop, test, deploy, maintain and improve software.
- **Software Engineering Intern** Paris, France
Adaltas *April 2020 - Present*
 - Research, conceive and develop software applications to extend and improve on Adaltas' product offering.
 - Contribute to DevOps processes and the requirements of producing and operating a machine learning model.
 - Collaborate on scalability issues involving access to data and information.
- **Teaching Assistant** Paris, France
ECE Paris *Sept 2019 - Present*
 - Assist the instructor by providing tutoring to individual students or groups of students in C and Java.
- **Junior Software Developer** Düsseldorf, Germany
Sadnacaya GmbH & Co. KG *May 2017 - Present*
 - Contribute to a wide variety of projects using natural language processing, artificial intelligence, data compression, machine learning and search technologies.
 - Configuration of a Manjaro VM onto a QNAP NAS to automatically back up mission-critical data on Write-Once-Read-Many archive storage.
 - Provide advanced corporate network infrastructure and server support.
- **Software Developer Intern** Paris, France
Préfecture de police de Paris *Jul 2019 - Aug 2019*
 - Development of a Java application to control backups and automatically notify system administrators.
 - Implement new features to local web applications to meet user demands and improve overall performance.

OPEN SOURCE PROJECTS

- **Wava (Java)** [github] : Collection of general-purpose utility classes with wide applicability.
- **Node.js Nikita (CoffeeScript)** [github] : Automation and deployment solution with Node.js.
- **School Management Tool (Java Spring)** [github] : A web-based, extensible platform for managing schools. Used Hibernate to implement a relational database. Created a dynamic search engine using Elasticsearch.
- **Ecezon (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++, HTML, Java, \LaTeX , Markdown, PHP, Python, ReactJS, SQL.
- **OS** : Linux, Microsoft Windows.
- **Software & Technology** : AWS, Computer Vision, Elasticsearch, Gatsby, Git, Hibernate, Maven, Networking, NodeJS, Travis CI, vim, Virtualization, Web Technologies, Wireshark.

VOLUNTEERING

- **Treasurer** Paris, France
Genius Campus Eiffel - entrepreneurship club *Apr 2019 - Present*
 - 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.