

# MAXIME HECKEL

SOFTWARE ENGINEER AND  
SPACE ENTHUSIAST

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## Objective

To obtain a position as a software engineer in a challenging environment for a dynamic company that creates and develops well designed products.

## General info.

### SPEAKS

French Native

English Fluent, TOEFL 105/120, Cambridge FIRST

Spanish Intermediate

German Intermediate

### INTERESTS

Running Architecture

Bouldering Design

Astronomy Cooking

### MISCELLANEOUS

Speaker at the GOTO conference in Berlin 2015.  
Presented CI/CD with Docker Cloud.

Speaker at the DevOpsDDay conference in Marseille 2015.  
Presented CI/CD with Docker Cloud.

Member of ARES : ENSIIE's network  
infrastructure management association

Built a complete PaaS using Docker for my  
engineering school

1st place at StartUp Weekend Strasbourg 2014

2nd place at "HackLeChalet" hackathon

1st place for the Rhenatic Challenge at  
"La Nuit de l'Info" hackathon

### PUBLICATIONS

Publications and articles that I've written are available  
on LinkedIn or on my Medium profile.

## Education

**Machine Learning Certificate (Coursera)**

Mar 2018

**Engineering degree / MSc. Computer Science**

2012 - 2015

ENSIIE, Strasbourg, FRANCE

Ecole Nationale Supérieure d'Informatique pour l'Industrie et l'Entreprise French  
"Grande École" in computer science and applied mathematics.

**Classe Préparatoire aux Grandes Écoles**

2010 - 2012

Lycée Saint - Louis, Paris, FRANCE

High level preparation mainly in mathematics and physics to competitive  
examinations for admission to engineering schools.

## Experience

**SOFTWARE ENGINEER - Docker Inc**

Oct 2015 - Now

San Francisco, CA

Software engineering. Part of the product development team.

Worked on diverse projects at Docker, involving mainly frontend technologies:

- Worked on / maintained Docker Cloud, Docker's cloud offer for container management on cloud providers. Worked on maintaining SDKs, and the websocket server that manages realtime events in Go as well as the Frontend side which is built with React and Redux (Javascript).
- Enterprise Product Development Team: worked on the frontend side of UCP (Universal Control Plane). This product is the main enterprise offer for companies to orchestrate their Docker containers/apps across their cluster. Focused on re-architecting the project which is now built with React and Redux (Javascript). writing unit tests and integration tests using Jest (Javascript) as well as end to end tests using Nightwatch and Selenium and finally ensuring code quality with eslint (for code redability) and flow (for static typing)
- Started establishing and leading the Frontend development of one of Docker's latest Enterprise product.

**SOFTWARE ENGINEER INTERN - Tutum Labs / Tutum Cloud**

Apr - Oct 2015

Madrid, SPAIN

Software engineering. Developed new and innovate ways to leverage Tutum, the core project and its associated services.

- Worked on and maintained Tutum's open source
- Worked on the Tutum overlay network plugin using weave and Go
- Created Stackfiles.io, a platform to share and download docker-compose files. Stackfiles.io was featured on Product Hunt. Built mainly using AngularJS and NodeJS.

### FREELANCE

2014 - 2015

Tutum, NY

Wrote Docker documentation and tutorials for Tutum.

Quicksell

Developed and designed an entire cross-platform mobile app with API S3 Storage, image resampling and user management.

**INTERNSHIPS - IRCAD** 2014 / Strasbourg, FRANCE

- **CNRS** 2013 / Strasbourg, FRANCE

## Skills

- Building well architected and scalable [enterprise grade React/Redux](#) based applications. This includes [static typing using Flow](#), ensuring code quality with eslint and product quality with the following set of features and tooling: Snapshot testing, unit testing, integration testing using [Jest](#), End to End testing using [Nigtwatch](#). Other tools used in this area: [React-Router](#), [Code Splitting](#), [CSS Modules](#), [Webpack](#), [Docker based development environment](#)
- Building well designed APIs using [NodeJS](#) or [Go](#) and websocket servers. This includes ensuring code quality and product quality with [Jest](#), [Nightwatch](#), or the [Go testing framework](#). Other tools used in this area: [Redis](#), [AWS SNS](#), [AWS QS](#), [Express](#).
- Experience with [continuous integration](#), PaaS deployment, implementing real-time and highly available websocket servers, [scheduling and building efficient micro-services with Docker Swarm](#) or [Kubernetes](#).

**Theoretical skills:** Linear algebra, statistics, numerical analysis, algorithmics, operational research, basic knowledge in Machine Learning (gradient descent, anomalie detection, understanding of simple Neural Networks)