

# Tom Moulard

## Software Developer

### Objectives

Seeking to apply my analytical skills to the challenges posed by an internship at your company. Poses proven algorithmic and research abilities that will aid your company in meeting its milestones.

### Education

- 2014-date **EPITA**, *Computer Engineering*, FR.
- 2014-date **UPEC**, *Computer Engineering focused School*, FR.
- 2017 **BJTU**, *Computer Engineering*, ZH.
- 2014 **High School diploma**, *Scientific section*.

### Work

- 2018 **Full Stack**, *Zeodine*, FR, 4 month.  
Creating a web site using:
  - Back-end: Go;
  - Front-end: HTML, CSS, JS and P5.js.And using: Unit Testing; Acceptance Testing; Automatic Deployment.
- 2017 **Python Developer**, *Chinese Environment Ministry*, ZH, 2 month.  
Natural Language Processing in Python and graph database management (Neo4j).
- 2017 **Internship**, *Orange*, FR, 1 month.  
pfsense firewall managing inside an OpenStack cloud (High Availability, tunneling, sorting).
- 2015 **Lifeguard**, *Abysssea*, FR, 1 month.

### Projects

- 2019 **Web Server**, *C++*, link, 7 weeks.  
Spider Web Server is a pedagogical project. Spider is an HTTP server
- 2019 **Virtual Switch**, *C*, link, 2 weeks.  
Implementation of virtual switch. With a notion of vlans and Port mirroring.

### Skills

- Languages **Python, C, Golang, shell**, Java, C++, C#, OCaml, JS, SQL.
- Tools **Docker, GIT, CircleCI, Django, Ansible**, Docker-compose, Unity, MongoDB, Neo4j, MySQL, PostgreSQL, VirtualBox, Agouti, Traefik, Apache.
- Markup **L<sup>A</sup>T<sub>E</sub>X**, HTML, CSS, YAML, toml.
- Multimedia **Word, Excel, Access, PowerPoint**, GIMP, Imagemagick, Inkscape.
- Languages **French, English**, Spanish, Chinese.  
Native, Fluent (TOEIC: 945/990), Writing and Speaking, Low understanding

### Interests

- Technology Open Source foundations; Robotics; drones; physical/digital interfaces; human interaction.
- Environment Social impact and responsibility; influence of technology.
- Sports Swimming; Badminton; Roller.