

# Gonalo Pestana

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## EDUCATION

### AALTO UNIVERSITY

MENG IN COMPUTER SCIENCE

2012 - 2016 | Helsinki, FI

Cum. GPA: 3.8/5

### LISBON TECHNICAL UNI.

BS IN NETWORKS ENGINEERING

2008 - 2012 | Lisbon, PT

Cum. GPA: 16.2/20 (top2 in class)

## LINKS

Github:// gpestana

NPM:// gpestana

LinkedIn:// Gonalo Pestana

Twitter:// @gpestana

WWW:// gpestana.com

## SKILLS

### PROGRAMMING

Node.js • Javascript • Python • NoSQL

Docker • Amazon AWS • Elasticsearch

RabbitMQ • React.js • Linux • git

ELK stack • HTTP and TCP/IP stack

### OTHERS

Security • Scrum • Work in distributed teams • Communication between technical and non-technical stakeholders

## INTERESTS

Distributed Systems • Software architecture • InfoSec • Open source  
Rock climbing

## EXPERIENCE

### F-SECURE | SOFTWARE ENGINEER

Feb 2016 - Present | Helsinki, FI

### SOFTWARE CONSULTANCY | SOFTWARE ENGINEERING AND WEB DEVELOPMENT

August 2013 - | Helsinki, FI and Remote

- Worked and collaborated on projects of software engineering, service architecture, web development and devops.
- Companies: Eduze (eduze.com), Catchbox (getcatchbox.com), C. Sao Tomas (www.colegiodestomas.com), NorthImpact (northimpact.com)

### FIVESTARS | SOFTWARE ENGINEER CO-OP

May 2015 - August 2015 | San Francisco, CA

- Started company-wide analytics pipeline. The data was gathered from multiple data sources, parsed and channeled to multiple consumers. Frontend to display data a compelling way to different teams.
- Main technologies: Python, InfluxDB, ELKstack (ElasticSearch, Logstash, Kibana), Grafana, statsd and Angular.js.

### CERN - THE EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH | SOFTWARE ENGINEERING RESEARCH INTERN

March 2013 - May 2014 | Helsinki, FI and Geneve, CH

- Conducted research on how heterogeneous hardware can improve energy efficiency of scientific computing at CERN.
- Technologies: Python, Intel RAPL, TI231 chip, ARMv7 and ARMv9 archs.
- Published part of the work on the ACAT 2014 conference journal.

## RESEARCH

### CERN | SOFTWARE ENGINEERING RESEARCH INTERN

March 2013 - May 2014 | Helsinki, FI and Geneve, CH

Techniques and tools for measuring energy efficiency of scientific software applications. Published at the *16th International workshop on Advanced Computing and Analysis Techniques in physics research (ACAT2014)*

### AALTO UNIVERSITY | RESEARCH ASSISTANT

June 2013 - August 2013 | Helsinki, FI

Test and implementation of recently published mathematical scheduling algorithm for sensor networks. Technologies: Python, advanced data structures and algorithms.