

Gonçalo Pestana

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EDUCATION

AALTO UNIVERSITY

MSC. IN COMPUTER SCIENCE

2012 - 2016 (expected) | Helsinki, FI
 Cum. GPA: -

LISBON TECHNICAL UNI.

BSC. IN NETWORKS ENGINEERING

2008 - 2012 | Lisbon, PT
 Cum. GPA: 16.2/20 (top2 in class)

LINKS

Github:// [gpestana](#)
 NPM:// [gpestana](#)
 LinkedIn:// [gpestana](#)
 Twitter:// [@gpestana](#)
 Blog:// blog.goncalopestana.co
 WWW:// goncalopestana.co

SKILLS

PROGRAMMING

Work proeficiency:

Node.js • Javascript • Python • NoSQL
 Elasticsearch • HTTP and TCP/IP stack •
 git • Linux

Familiar:

ZeroMQ • SQL • Basic Eletronics applied
 to telecommunication • CSS • HTML5

Other interests:

Low level programming • Distributed
 systems • Security

OTHERS

Work in a distributed team • Agile •
 Proeficient in Portuguese and English

INTERESTS & HOBBIES

Rock climbing • Photography • Social
 innovation • Social entrepreneurship
 Open source dev and community

EXPERIENCE

FIVESTARS SOFTWARE ENGINEER INTERN/CO-OP

May 2015 - August 2015 | San Francisco, CA

- Started a company-wide analytics platform that: 1) gathered, parsed and analysed data from heterogeneous sources; 2) created a data pipeline to channel data to different consumers; 3) Showed the data in a compelling way to the company's different teams;
- Main technologies: Python, InfluxDB, ELK stack (ElasticSearch, Logstash, Kibana), Grafana, statsd and Angular.js.
- The project was successfully implemented and the company allocated a team to develop it further.

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 and at CERN
- Technologies: Python, Intel RAPL, TI 231 chip, ARMv7 and ARMv9 archs.
- Published part of the work at the ACAT conference journal.

SOFTWARE CONSULTANCY | SOFTWARE ENGINEERING AND WEB DEVELOPMENT

August 2013 - | Helsinki, FI and Remote

- Worked and collaborated on web development, dev operations and software engineering.
- Companies: Eduze (www.eduze.com), Catchbox (www.getcatchbox.com) C. Sao Tomas (<http://www.colegiodestomas.com/>), North Impact (www.northimpact.com)
- Technologies used: Node.js, Javascript, Python, Django, Amazon AWS, Linode, Linux, HTML5, Shopify.

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 *16th International workshop on Advanced Computing and Analysis Techniques in physics research (ACAT 2014)*

AALTO UNIVERSITY | RESEARCH ASSISTANT

June 2013 - August 2013 | Helsinki, FI

Tested and implemented a recently published mathematical scheduling algorithm for sensor networks. Technologies: Python.

AWARDS & ACHIEVEMENTS

- 2014 Startup Weekend winner (Helsinki)
- 2012 Top 2/150 of bachelor's class
- 2011 Elected course delegate by the fellow students
- 2011 Won App code camp Microsoft, Lisbon
- 2007 European hockey champion representing Portugal national team (Germany)
- 2006 2nd at the World hockey championship (Santiago, Chile)
- 2004 European hockey champion representing Portugal national team (France)