

Hanneli Tavante

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Education

Universidade Federal de Itajubá	Itajubá, MG
<i>Bachelor - Computer Engineering</i>	2007 - 2011
<i>Master's Degree - Electrical Engineering</i>	2018 - 2019

Experience

Fev 2018 - present **Master's projects at UNIFEI**

- Advisors: Prof. Benedito Bonatto and Prof. Maurilio Coutinho - Universidade Federal de Itajubá
- Secure Cloud - International Research Project (Europe and Brazil) about secure private cloud environments. Role: Develop systems, attend meeting, improve the communication of the team. Supervisor: Prof. Maurilio Coutinho.
- aPTIs-SG2 - Smart Grids laboratory. Role: Developer Student. Supervisor: Prof. Benedito Bonatto
- TA - Deep Learning and Functional Programming extension courses. More information: [Lattes CV](#).

Aug 2017 - present **Independent Senior Consultant**

- Build APIs, Bigs Data, NoSQL and Machine Learning projects.

June 2014 - Apr 2017 **Senior Developer and Team Leader at Codeminer42**

- Manage and organise worldwide teams, helping them with technical issues. Assist the professional growth of the members of the company.
- Main project areas - data analysis, data engineering, integration, database connectors, management of frameworks and libraries, implementation of performance tests, devops.

Oct. 2013 - May 2014 **Middleware Consultant at Red Hat**

- Deal with the customers and propose creative, fast middleware Java solutions. Propose and manage workshops about Red Hat products for customers and co-workers.
- Understand and interact with sales and business environment, revising sales proposals and solutions.

Nov.2012 - Oct. 2013 **Developer at Top Free Games**

- Propose and implement cloud solutions with Heroku and Amazon AWS to increase backend systems performance. Monitor systems availability and performance, create auto-scalable systems, collect and analyse real time data with Cassandra, Kafka and Hadoop.
- Improve code base of the company creating reusable systems, internal libraries and frameworks.
- Develop client apps for iOS.

Aug.2011 - Oct. 2012 **Developer and Instructor at Caelum**

- Provide training sessions as an instructor for company's training programs. Assist the students continuously, bringing them information about the IT career and best architecture practices.
- Study market tendencies, develop new training programs and upgrade/ improve existing ones.

Feb. 2011 - Jul. 2011 **Developer at SOA|Expert**

- Propose and build internal system architectures.
- SOA consulting, proposing enterprise integration solutions.

Jan. 2010 - Jan. 2011 **Intern/Developer at B2ML Systems**

- Propose and build the system architecture in Java (frontend and backend).
 - Optimise the system performance, increase team productivity with new frameworks and tools.
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Certifications

Machine Learning (Coursera)	2016
Introduction to Mathematical Thinking - Coursera (Stanford)	April, 2015
OCJP - Oracle Certified Java Programmer for Java 6	October, 2010

Complementary Projects

- Uai!rrior Robotics team - Electronics development team. Circuits project, design and optimisation.
 - Article "Web social networks meters and business usage analysis" - IEEE on CaSON 2011.
 - Open Source Software contributor to Ruby projects, Java projects and JBoss Projects.
 - Speaker in many [conferences](#) (Brazil, USA, Europe, Argentina and Canada).
 - Cassandra MVP 2015, 2016.
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Technical Key Skills

Data Analysis (Spark - basics), Machine Learning. Functional Programming, Cassandra, graph databases, Scala, Haskell (learning), Rust (learning), type theory, Python Java, Ruby, web. Electronics.

Extra info

- Github - <https://github.com/hannelita>
 - Slides - <https://slides.com/hannelitavante-hannelita>
 - LinkedIn: <http://br.linkedin.com/in/hannelita>
 - Languages: Portuguese [native], English [fluent]; French [intermediate]; Spanish [reading]
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2015-2017 Main Projects

- *Tile* - Data pipeline with Airflow, Databricks integration
- *Westfield* - Internal system refactor, restructure and integration; APIs improvement.
- *Neo Technology* - development and architecture of Open Source tool - [Neo4J DocManager](#), a database connector to automatically export data from MongoDB (Document Database) to Neo4J (Graph Database); [Neo4J Cassandra Connector](#), a database connector to export data from Cassandra to Neo4J (Graphs);
- *VTS* - External API development, microservices implementation, integration tools to automate manual work on Salesforce, Web crawler development, parser implementation, database optimisation, OAuth.