diogo **castro**

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PROFILE Proficient **C#** developer.

Proactive with good teamwork skills**.**

Enthusiastic about **well-designed object-oriented** systems.

Engaged participant on **StackOverflow**.



EDUCATION **Master’s in Informatics and Computing Engineering**

Faculty of Engineering of the University of Porto, Portugal

September 2007 – February 2013

**Main Topics**: Software Engineering, Project Management, Agile Development, Mobile Computing, Algorithms and Data Structures, Databases, Web Development, Artificial Intelligence, Distributed Systems.



CERTIFICATES **Functional Programming Principles in Scala**

Martin Odersky, École Polytechnique Fédérale de Lausanne, June 2013

**Microsoft Certified Professional - Programming in C#**

Microsoft, March 2014



SKILLS **Object-oriented programming · Design patterns · Agile · Concurrency Dependency injection · Unit testing · git · C# · Java · Couchbase (NoSQL) WinRT · Message queuing**



EXPERIENCE **Fraunhofer**

Researcher, August 2012 – March 2013.

Developed the navigation module for an Android application, using both turn-by-turn and landmark-based approaches. Developed complex heuristics to evaluate landmarks data retrieved from OpenStreetMap, and used the device’s sensors (e.g., gyroscope, accelerometer) to locate and navigate the user.

**NaviNet**

Software Engineer, May 2013 - Present

Responsible for designing, unit testing, implementing and deploying several scalable web servers using ASP.NET Web API, ActiveMQ for messaging and Couchbase for data persistence.

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