

# diogo castro

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## PROFILE

Proficient **C#** developer.

Proactive with good teamwork skills.

Enthusiastic about **TDD** and **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 • TDD • git • C# • WinRT • NoSQL (Couchbase) • CI/CD**

## 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 and Couchbase.