

Damien DeVille

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Profile	Software engineer with experience developing award-winning products for the Mac and iOS, concurrent and asynchronous programming, debugging and performance optimization.
Experience	<p>Software Engineer, Dropbox Inc, Dublin, Ireland – September 2014—Present Software engineer on the Desktop Sync Quality team.</p> <p>Software Engineer, Realmac Software; Brighton, UK – August 2011 – September 2014 Lead engineer on the Ember for Mac and iOS project. I took ownership of the LittleSnapper for Mac project and led development of its reborn as Ember, an award-winning, modern, sandboxed, concurrent, modular and cross-platform application. The main challenges were a heavy use of Core Data in a highly concurrent environment, an extensive separation of concerns and privilege between processes, services and frameworks in the application group and ensuring code portability, particularly with respect to document format and image editing.</p> <p>Software Engineer, Imano PLC; London, UK – March 2010 – August 2011 Main developer on the TVGuide UK for iPhone and iPad project (around 2M users). I also worked on the development of iOS apps from initial concepts through to final delivery for clients such as Citibank, Conde Nast, UEFA, DSNY, Harrods and Stella Artois.</p> <p>Intern, Italian Cultural Institute; New York, US – Winter 2007 Assisted in the promotion of Italian musical and theatrical events on the NYC scene.</p>
Specialities	<p>Objective-C, Cocoa, Cocoa Touch, C, CoreFoundation, Core Data, Core Animation Assembly, including x86-64 and ARM Concurrent and asynchronous programming, including Cocoa threading, Pthreads, libdispatch, XPC Performance analysis and optimization, including Instruments and dtrace Debugging with GDB and LLDB API and framework design</p>
Education	<p>M.Sc Computer Science; University College London, UK – 2009 <i>Dissertation: On Percolation Theory for Agent-Based Financial Modeling</i></p> <p>M.Sc Financial Engineering; Birkbeck College, London, UK – 2009 <i>Dissertation: On Numerical Methods for the Pricing of Commodity Spread Options</i></p> <p>Laurea Magistrale in Mathematical Finance; Università Politecnica delle Marche, Italy – 2008 <i>Thesis: On Lévy Processes for Option Pricing: Numerical Methods & Calibration</i></p> <p>B.Sc in Economics; Université Jean Moulin Lyon III, France & Granada, Spain – 2005</p>
Languages	English, French, Italian, Spanish: fluent. Portuguese: intermediate