

# Marcus Craske

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## Experience

<b>Worldpay</b> - Senior Software Engineer - <i>promoted November 2015</i> Working on HPP (Hosted Payment Pages), the next generation of payment pages for online commerce. Supporting multiple languages, currencies, international alternative payment methods and card schemes. Using Spring, Ansible, Oracle stack (Weblogic, DB, Coherence), AWS and Tomcat.	March 2015 - Present
<b>Proxama</b> - Software Engineer Working on a PCI-compliant product, CardGateway, to provide token and risk management of contactless payments for Visa and MasterCard. Using JEE6, Glassfish and C#.	Nov 2014 - March 2015
<b>Proxama</b> - Research & Development Design of the CardGateway Issuer System product, graph databases for risk analysis, EMVTT / PoS solution. Software for demos presented to tier one/two clients, including major banks.	Aug 2014 - Oct 2014
<b>Teaching Lab Assistant</b> - helped with <i>Discover Computing</i> school visit.	2013

## Computer Skills

**Languages** - Java, C#, C/C++ (inc. 11), Matlab, JavaScript, VB.NET, Assembly.  
**Platforms** - Linux (Arch, Debian, Ubuntu), Windows (inc. Server 2003/2008), ARM Cortex M, Raspberry Pi, Verifone VX 820 PoS PED.  
**Misc.** - SQL (MySQL, Postgres, MSSQL), HTML5, CSS3, PHP, Android, OpenGL, ASP.NET, Java EE, Glassfish/Tomcat, Resource Adapters, JMS, Hibernate, Git, Jenkins, JUnit, Mockito, Docker, Maven, Checkstyle, Ant, dependency injection, Agile / Scrum, WSDL, SOAP, REST, LDAP/AD, design patterns, Jira.

## Education

<b>Bachelor of Science (BSc)</b> – Computer Science First Class (Honours) Starred (I*) – 83.48% weighted average University of East Anglia	2014
Year 1: 90.71% – <i>Computing Fundamentals, Computing Revolution, Mathematics for Computing A, Computing Systems 1, Computing Systems 2, Programming 1.</i> Year 2: 81.77% – <i>Theoretical Computing, Database Systems, Graphics 1, Architectures &amp; Operating Systems, Data Structures &amp; Algorithms, Programming 2.</i> Year 3: 82.66% – <i>Information Retrieval, Embedded Systems, Networks, Software Engineering 2, Project.</i>	
<b>Advanced Diploma in IT</b> - A (BBA*)	2011
<b>GCSEs</b> - History, Religious Studies and IT (A); Maths, English, English Literature, Science, Additional Science, Graphics (B); French (D).	2009

## Third Year Project

**The Automated Assessment of Programming Skills** (graded 94.4%)  
An open-source distributed system, which can be clustered across multiple nodes/instances using RMI communication, to automatically mark Java programming assignments using dynamic and static analysis.

## Awards

<i>Proxama Award - October - Talent</i>	2014
<i>Douglas Lewin Memorial Prize for Final Year Project</i>	2014
<i>The Pearson Education Prize in Computing Science</i>	2012
<i>WorldSkills Web Design - National Final - Gold</i>	2011
<i>Further Education Awards</i>	2011
<i>WorldSkills Web Design - National Final - Bronze</i>	2010
<i>Further Education Awards</i>	2010

## Hobbies

Road cycling, projects (such as a C++ Raspberry Pi binary clock with a multi-threaded web server), music (electric guitar and synth).

## References

Available on request.