James Shorten
Computer Engineer

about
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Find me on Linkedin
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nationality
Irish
South African

languages
First: English
Literate: Afrikaans

programming
C/C++
Objective-C
OOP
openCV
C#
Java
Git
Mac
Windows
Linux

other skills
Robotics
Electronic Design
PCB Layout
Mechanical CAD
Computer Vision
Computer Networking
Technical Writing

achievements

2013 · **80% for EPR402 (Project 402)** · University of Pretoria
My final year project was an "Image Guided Robotic Feeding System for Disabled People" for which I achieved a mark of 80%. Technologies used included: openCV, C++, Objective-C, Cocoa, Arduino, Mechanical CAD tools and EDA tools.

2013 · **Winner SAIEE National Student Project Competition** · SAIEE
Won the South African Institute of Electrical Engineers National Student Project Competition for my final year project.

2013 · **1st Place in UP EECE Final Year Project Competition** · University of Pretoria
1st place in Computer Engineering category and Overall winner of the University of Pretoria's department of Electrical, Electronic and Computer Engineering's final year Project competition

2012 · **1st Place CSIR Cyber War-games** · CSIR
Team placed 1st in the first CSIR DPSS Command, Control and Information Warfare Cyber War-games.

2008 · **Achievement Bursary** · University of Pretoria
Awarded Achievement Bursary based on high school results.

2007 · **Top 40 in National Computer Science Olympiad** · Hilton College

2006 · **1st Place SAASTE National Science Olympiad** · SAASTE

interests

Embedded Computing, Mobile Computing, Computer Vision, Robotics

education

2008-2013 · **Bachelor of Engineering: Computer Engineering** · University of Pretoria, Pretoria
Cumulative weighted average of 56.6%

2003-2007 · **High School** · Hilton College, Hilton

Subject	Mark	Symbol
Afrikaans (2nd Language HG)	71%	B
English (1st Language HG)	80%	A
Computer Studies (HG)	86%	A
Physical Science (HG)	88%	A
Mathematics (HG)	83%	A
Accounting (HG)	81%	A
Art (HG)	82%	A

experience

Dec 2011-Jan 2012 · **Conlog, Durban** · Internship
I Developed a project tracking system for the systems software division using windows forms, C#, asp.net and SQL Server 2008.