# James**Shorten**
programmer

## about

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## languages
First: English
Literate: Afrikaans

## programming
C/C++
C#
ObjectiveC
Java
MATLAB
SQL
Basic DSP
IOS
Windows
Linux
Mac
PIC18 Assembly

## Other Skills
VHDL
Electronic Design
Technical Writing
Computer Networking

## interests

Embedded Computing, Mobile Computing, Computer Networks, Cloud Computing, Computer Vision and Perception, Computer Security

## education

| 2007-present | **Bachelors of Engineering: Computer Engineering** | | University of Pretoria, Pretoria |
| | Running Average: 60% | | |
| | Projected Completion: 2013 | | |

| 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 |
| | Internship in Systems Software Division. | |

## achievements

| 2012 | **1st Place CSIR Cyber War-games** | CSIR |
| | Team placed 1st in the first CSIR DPSS Command, Control and Information Warfare Cyber War-games. | |
| 2010 | **3rd Place ERD320 Project** | University of Pretoria |
| | A group I was part of placed third in an internal competition for the best project in ERD 320 (Computer Engineering Design) | |
| 2008 | **Achievement Bursary** | University of Pretoria |
| | Awarded Achievement Bursary based on matric results. | |
| 2007 | **Computer Studies Prize** | Hilton College |
| 2007 | **Academic Colours** | Hilton College |
| 2007 | **Music Half Colours** | Hilton College |
| 2007 | **Appointed Chairman of Hollerith Society** | Hilton College |
| 2007 | **Awarded Level 2 Leadership Certificate** | Hilton College |

| 2007 | **Top 40 in National Computer Science Olympiad** | Hilton College |
|------|--------------------------------------------------|----------------|
| 2007 | **Artwork exhibited in Tatham Gallery**<br>Selected as part of the 2007 Top KZN Matric Art Exhibition | Tatham Gallery |
| 2006 | **1st Place SAASTE National Science Olympiad** | SAASTE |
| 2006 | **4th Place SAASTE National Science Olympiad** | SAASTE |