

Brandon Talbot

Curriculum Vitae

463 Sibelius Street
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South Africa

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people.cs.uct.ac.za/~btalbot



Experience

Full Time

2014–present **Software Engineer,**
Entelect.

Software development consultant for Entelect.

Clients

○ **Standard Bank**

(09 February 2016 - Present)

Android developer for Standard Bank's mobile banking application.

Worked on the Day to Day team on new features and maintenance of old features for account money transfers, payments, value added services and more.

Standard Bank uses an Agile SCRUM methodology.

Technologies:

- Android
- Java
- IntelliJ Idea
- Maven
- Android Studio
- Gradle

○ **Seecrypt**

(09 October 2014 - 09 February 2016)

Android developer for Seecrypts new SC3 secure talk and chat application.

SC3 is a chat application similar to WhatsApp but it had call and encryption functionality before WhatsApp.

Seecrypt used an Agile SCRUM methodology.

Technologies:

- Android
- Java
- C and C++
- JNI
- SQLite and SQLCipher
- Bluetooth programming
- Cryptography
- Kotlin
- Android Studio
- Gradle

- 2014 **Java Developer,**
BSG Business Systems Group.
Software Development consultant for BSG.
- Clients**
- **ABSA**
(3 Feb 2014 - 22 October 2014)
Developer on the end to end Branch Delivery Platform environment for 3 release cycles.
The end to end BDP system is used by ABSA's bank tellers.
ABSA's E2E team utilises a modified Scrum methodology.
- Technologies:**
- C#
 - MVC Razer
 - Visual Studio
 - Resharper
 - WCS Services

Part Time

- 2007–2013 **Technician and Programmer,**
ETLIN International Trading (PTY) LTD
Intercontinental Shipping (PTY) LTD.
Fixed any Computer related issues and made Excel document creation programs through JXL
- Detailed achievements:**
- Set up computer systems for daily work of the company.
 - Created many Excel Editors to do many days work in a matter of minutes.

Miscellaneous

- 2005, 2007, 2008 **Team Captain & Participant at Karate World Championships,**
Scorpion Karate, Las Vegas, England, Italy.
Participated in World Shotokan Karate (FSKA - Fanakoshi Shotokan Karate Association) tournaments around the world. Team captain for England trip - 2007.
- Won:**
- 2 silvers (kata, unisan kata) Las Vegas
 - 1 silver (Kata) Italy
 - 1 Silver (unisan kata) England
 - 4th place (Komite) Las Vegas
 - 1 Bronze (Team Komite) England
 - 1 Bronze (Komite) Italy

Projects & Programs

- CUDA-Squeeze **SKA Compression project, Honours.**
SKA (Square Kilometer Array) compression project. Determine best method in order to compress the Radio Satellite data in real time. I worked on a Huffman coding & Adaptive Huffman Coding algorithm. This project was done in conjunction with: Benjamin Hugo and Heinrich Strauss.
<https://people.cs.uct.ac.za/~hstrauss/cudasqueeze/>
- Fly-DragonFly **Android Arcade Game.**
Android survival game based on old top down scrolling arcade games.
<http://cs.uct.ac.za/~btalbot/#/projects/flydragonfly>

- Nebulon 12 **XNA Arcade game.**
 XNA (windows and Xbox) based 3D space game based on the arcade principals of Future Cop: LAPD.
<http://cs.uct.ac.za/~btalbot/#/projects/bbngame>
- Height Map **Biology reduction Height Map Comparison program**, Allows for Graph-
 Analyser ing and many other comparisons between reductions in the UCT Biology department..
 Intent to Publish
<http://cs.uct.ac.za/~btalbot/#/projects/heightmapanalyzer>
- Excel Editor **Excel document creator for ICS & ETLIN,**
Recurring,
 ETLIN & ICS project.
 Creates documents for ETLIN and ICS, from other excel documents created by *MOSAIC.*
<http://cs.uct.ac.za/~btalbot/#/projects/exceleditor>

University

- 2013–2013 **B.Sc Hons, University of Cape Town, Cape Town.**
 Computer Science Honours
 NRF (National Research Fund) Bursary - R40 000
- 2010–2012 **B.Sc, University of Cape Town, Cape town.**
 Computer Science & Computer Games Design
- Extra Subjects ○ **Linear Algebra & Advanced Calculus**
 Taken ○ **Applied Mathematics**
○ **Cryptography**
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Languages

- English **Mother Tongue**
 Afrikaans **Basic Understanding**

Computer skills

- Basic Python, LUA
- Intermediate SQL, OpenGL, Android, Microsoft XNA, CUDA, HTML, PHP, JavaScript, Delphi, libGDX, XML, UNITY, Unreal Engine, Kotlin, VB.net
- Advanced C & C++, Java, C#, Linux

Interests

- Karate Black Belt since 2007, Studied Shotokan Karate at Scorpion Karate under Shihan (6th Dan) Ravi Moodley
- Mountain Activity with friends and mountain biking
 Climbing



References

Name	Company	Phone number
○ Linda Lotter	○ ETLIN	○ (+27) 83 4447 334
○ Caroline Talbot	○ ICS	○ (+27) 82 5555 113
○ Ravi Moodley	○ Scorpion Karate	○ (+27) 82 6002 883
○ Philip De Kock	○ BSG Line Manager	○ (+27) 11 215 6666

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Company Recruitment Office

January 16, 2017

Dear Sir or Madam,

I am an enthusiastic programmer that particularly enjoys graphics programming and data visualisation. I am highly dedicated and disciplined thanks to my Karate training, of which I trained for over 12 years.

I have a British Passport, and have nothing against having to travel or immigrate.

Out of all the projects I have participated in, I enjoyed those where I designed graphical visualisations for data, and the projects where I created the graphical sections for games.

I have a degree in Computer Games Design and have worked on multiple games in the past few years, using tools such as Microsoft XNA, LibGDX and Unity. My Games Design Degree has taught me OpenGL and GLSL.

I have taken Networking, Cryptography, Linear Algebra, and Interface Design courses at UCT and have many projects on my website: <http://people.cs.uct.ac.za/~btalbot> and Github page: <https://github.com/DarkJaguar91>.

Regards,

Brandon Talbot

Attached: curriculum vitae