CV

NATHAN BUSSE
CURRICULUM VITAE

PERSONAL DETAILS

Full Name: Nathan Graham Busse

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Ferndale, Randburg, 2194

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Mobile: +27 84 275 9340

ID Number: 0212065096084

Gender: Male

Nationality: South African

Marital Status: Single

PERSONAL ATTRIBUTES

- Polite
- Accurate
- Hardworking
- Fastidious
- Punctual
- Honest
- Go Getter
- Self-confident
- Self-motivated
- Self-determined
- Highly disciplined
- Learning new things
- Adrenaline junkie
- Determined to succeed in life

APPLICATION SOFTWARE SKILLS

1. **Office suites** (Expert | Word, Excel, Access and PowerPoint)

2. **Sublime Text** (Expert | Used to write Python)

3. **Pycharm** (Expert | Used to write Python)

4. **Visual Studio Code 2019** (Competent | Used to write C# scripts for my games.)

5. **Eclipse** (Advanced beginner | Used for to write Java and JavaScript.)

6. **Arduino IDE** (Expert | Used to program my Arduino boards for my robotics projects.)

7. **CodeBlocks** (Competent | Used to write in C, C++)

8. **Notepad++** (Expert | Used to write HTML, CSS and JavaScript)

9. **Unity** (Expert | Used as my primary game engine to develop games.)

10. **Unreal Engine** (Novice | Used as a game engine to develop games.)

11. **Fusion360** (Advanced beginner | Used to design 3D Models.)

12. **Tinkercad** (Advanced | Used to design 3D Models.)

13. **Oracle VM VirtualBox** (Competent | Used to boot Linux on my computer.)

PROGRAMMING SKILLS:

1. **Python** (Proficient | Created my own server control panel for Minecraft. Built an AI that mimics body movements. I am currently working on a virtual assistant.)

2. **C#** (Advanced beginner | Recreated Minecraft in my own version. Busy building an adventure game (Till Death do us Apart).)

3. **C++** (Competent | Built an obstacle avoidance robot. Built a 3D printed robot arm. Built a robotic tank platform. Built a platform for an advanced prototype Hexapod and a physical controller to control the robot (Still in the process in updating and making it better).)

4. **C** (Advanced beginner | Created a donut that rotates in the terminal out of ascii.)

5. **HTML** (Proficient | Created a fully playable clone of snake. Created a YouTube subscriber counter for your own YouTube channel, created a YouTube Video downloader, (Used this language in high school.)

6. **CSS** (Competent | Created graphic textures for snake and for my own websites.)

7. **Batch** (Competent | Created a script to constantly open the CD Drive on a computer even if the person closes the disc tray.)

8. **Shell script** (Advanced | Turns my Minecraft sever off and on. Monitors my CPU Temperature.

9. **JavaScript** (Novice | Animation on websites. Additional functionality to the website.

OPERATING SYSTEM SKILLS

1. **Microsoft Windows 10** (Expert | Used as my main operating system and is my most familiar operating system.)

2. **Raspberry OS** (Expert | Used as my main operating system for my Raspberry Pi and is the operating system that introduced me to Linux.)

3. **Debian** (Proficient | One of my favorite Linux operating systems and I use it daily for my Linux based scripts and experiments and still learning more about the operating system.)

4. **Ubuntu** (Advanced beginner | I have some experience with the operating system, but I have not explored it further and am still learning the operating system)

EDUCATION

Grade 1-7 Craiglands Primary
(2009 – 2016)

Grade 8-9 Northside College
(2017 – 2018)

Grade 10-12 Concord College
(2019 – 2021)

National Senior Certificate: English Home Language, Afrikaans First Additional Language, Mathematical Literacy, Life Orientation, Computer Application Technology, Geography, Business Studies.

(Achieved admission to Bachelor Degree)

Currently studying: AZ-900: Microsoft Azure Fundamentals

VOLUNTEER AND COMMUNITY WORK

Helping with the soup kitchen at church.
General upkeep of the community.
Community Service (Johannesburg zoo and vegetable garden).
Member of Cubs and Boy Scouts.

HOBBIES

Licensed Radio Amateur Class A Operator.
Camping and caravanning.
3D printing
Robotics
Programming
Game Development
Raspberry Pi
Arduino
Artificial Intelligence
Tinkering with electronics, source code and computers
Adventuring
Geocache

SCHOOLING ACHIEVEMENTS

Achievements Gr 7
Prefect

Achievements Gr 8
Diligence Award

Achievements Gr 10
Top Achiever (Geography, Afrikaans and Life Orientation)
Top Achiever (Overall)

Achievements Gr 11
Nominated best 3 students of the year

Achievements Gr 12
Prefect
Headmasters award (School's best student of the year)
Top Achiever (Geography, Afrikaans and Life Orientation.)

KEYWORD TERMS

Novice means that I am still new to the language and have little experience and am still learning it. I am fully dependent on external sources to understand and learn the languages syntax and troubleshooting errors.

Advanced beginner means that I am familiar with the language and have some experience but still have a few things to learn and still rely on external sources to help with troubleshooting and learning new syntax.

Competent means that I am more comfortable with the language and have experience, but I am still learning new syntax in the language as I progress and rely little on external sources to help troubleshoot and learn new syntax.

Proficient means that I am confident in the language and have a strong understanding of the syntax of the language and only use external resources when I am unfamiliar with a specific syntax or error message.
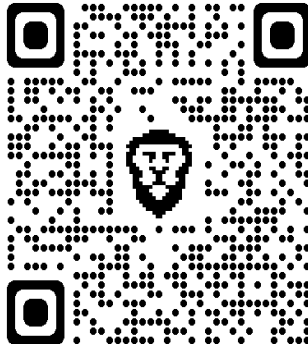
REFERENCES

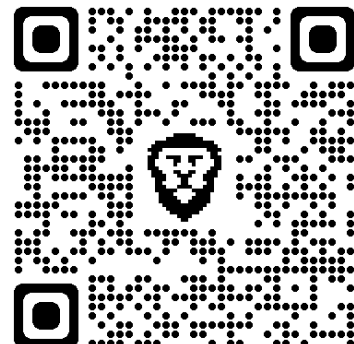Justin Porteous 084 558 7846
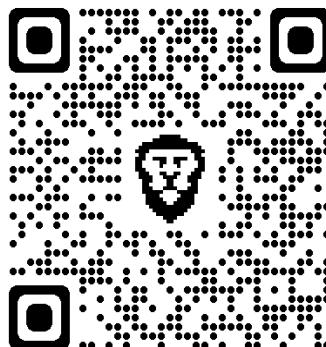
Concord College – Mr. Pillay - 011 791 0228

GitHub	Linkedin	YouTube Channel

GitHub private profile

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