

# CV

## NATHAN BUSSE CURRICULUM VITAE

### PERSONAL DETAILS

**Full Name:** Nathan Graham Busse

**Address:** 333 West Avenue  
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**Email:** [nathanbusse20@gmail.com](mailto:nathanbusse20@gmail.com)

**Mobile:** +27 84 2759340

**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.)
9. **Java** (Novice | I created a hospital management system to improve administration and keep record of employees, patients and finance. I am currently creating a library management system to help keep record of outstanding books and other books that are in the library and which books are available or unavailable for lending.)

## 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

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**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.

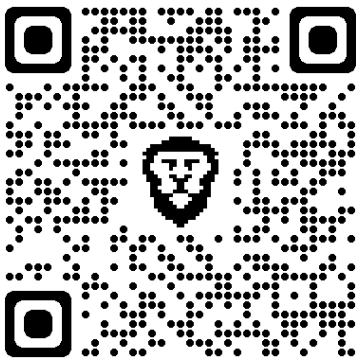
## REFERENCES

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Justin Porteous 084 558 7846

Concord College – Mr. Pillay - 011 791 0228

[GitHub](#)



[YouTube Channel](#)

