

DINOLAN NAIDOO

Software Developer

CONTACT

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071 302 8616 📞

Johannesburg, Gauteng 📍

EDUCATION

NSC (Bachelor's Pass)

Boksburg High School

2012 - 2017

B Sc. Eng.

Digital Design

University of the Witwaterstrand

2019 - current

SKILLS

Game Development

Web Development

HTML/ CSS

C++

JavaScript

C#

Blender

Unity

WORK EXPERIENCE

General Admin

Chemetall (Pty) Ltd

November 2017 - January 2018 / Boksburg

- Organizing filing system. Keeping track of incoming and outgoing files. Updating files.

Digital Marketing

RE/MAX

2018 - 2020 / Germiston

- Creating advertisements for social media platforms. These include videos and posters.

Physics Tutor

Connect Education

2021 - current / Johannesburg

- Tutor for Physics and Chemistry - Grade 11/12

RECENT PROJECTS

Efficiency comparison of Path-Finding Algorithms

- This project investigated different path-finding algorithms to create Non-Player Characters within games.
- The algorithms investigated are: Breath First Search, Depth First Search, Dijkstra, A* Euclidean and A* Manhattan.
- The aim was to find the most efficient algorithm for artificially intelligent NPCs within games.

Genetic Algorithm for Path-finding AI

- Create artificially intelligent agents that learn how to manoeuvre around obstacles to reach a given target.
- This learning behaviour occurs over several generations using a genetic algorithm.