

# DHEVAN LAU

Johannesburg

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## OBJECTIVE

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I am a young and motivated student currently completing my computer science honours degree. Looking for a graduate position in software or game development.

## EDUCATION

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**University of Witwatersrand, Johannesburg**  
**Bachelor of Engineering Science (Digital Arts)** *2016 - 2019*

**University of Witwatersrand, Johannesburg**  
**Bachelor of Science (Computer Science Occasional Studies)** *2019 - 2019*  
I registered for additional modules that year as an occasional student (for non-degree purposes).

**University of Witwatersrand, Johannesburg**  
**Bachelor of Science Honours (Computer Science)** *2020 - present*

## TECHNICAL SKILLS

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<b>Programming</b>	Java, Python, C++, C#
<b>Software Tools</b>	MS Office, LaTeX, Unity (Game Development Engine)
<b>Productivity Tools</b>	Git, Github, Slack, Trello
<b>Misc.</b>	Technical report writing, accustomed with sprint planning and scrum meetings

## WORK EXPERIENCE

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**Wits Chinese Students and Scholars Society, Johannesburg** *2020 - Present*  
*Committee Member, Head of Promotion*

- In charge of planning, designing and distribution of promotions for the society.
- Managing social media accounts such as Facebook, Instagram, Whatsapp and WeChat.
- Have the responsibility of maintaining the members Excel database, registering new members and sending out society emails through mailing lists to all members.

**Private Tutoring, Johannesburg** *Jul 2019 - Dec 2019*  
*Tutor (Part Time)*

- Tutoring Java programming to high school IT students as well as C++ programming to first year varsity students.

**Lynx Couriers, Johannesburg** *Feb 2019 - Apr 2019*  
*Courier Delivery (Part Time)*

- Delivered courier bags to various recipients ranging from residential houses to major corporate buildings all around Johannesburg. Majority of the deliveries were in the Sandton region.

**IN2SPORTS, Johannesburg** *Jan 2018 - May 2018*  
*E-Commerce Store Administrator (Part Time)*

- Adding, updating and removing of inventory on the e-commerce store
- Re-designing web-pages and keeping them up to date through OpenCart (e-commerce store platform)

- Tracking online orders and website traffic

### **A MAZE / Fak’ugesi / University of Witwatersrand, Johannesburg**

*Sep 2016*

#### *Student Helper (Volunteer Work)*

- A MAZE is an annual games and arts festival and Fak’ugesi is an African digital innovation festival
- Helped with setting up and taking down of exhibitions and props
- Supervised various custom arcade machines and exhibitions during the event
- Understood and reported on the organisational structure, professional ethics revolved around the work space, and the social and economical issues of the A MAZE festival.

## **MAJOR ACADEMIC PROJECTS**

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### **Wits Snake AI Competition 2019 (Individual)**

*AA Project - 2019*

Coded in Java, the AI utilises the AStar search algorithm in conjunction with various board state analyses to calculate its next move. The snake competes against other snake AI’s coded by fellow students. My snake AI finished with a **top 10 placement** out of 144 students.

### **Final Year Game Design Project (Group)**

*Game Design III Project - 2018*

I worked with visual artists and animators to create a stealth based adventure game developed using Unity. The game was selected to be exhibited at the end of year Wits digital arts exhibition in 2018. Gained the attention of developers from the breakthrough South African game studio, *Nyamakop*.

### **Simulated 2D Maze Solving Robot (Individual)**

*Software Project - 2017*

The robot utilises the left hand wall follower and pledge maze solving algorithms to successfully traverse through the maze from a single entrance to a single exit. A simulator coded in C++ is utilised to test, log every action of the robot and output results.

## **PERSONAL WORK STRENGTHS**

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- Reliable team worker who completes assigned tasks before deadlines. Able to communicate effectively to other team members and step up where necessary.
- Great problem solver, applying the mindset of an engineer to break down problems and tackle tasks with critical thinking.
- Can follow instructions clearly and ask supervisors if unsure.

## **HOBBIES**

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- Piano - Took 4 years of piano lessons. Played in front of my entire high-school, uncle’s wedding and grandfather’s funeral.
- Cycling - Completed 6 x 94.7 Cycle Challenges.

## **REFERENCES**

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- Lynx Couriers - Jacques Jonck - 011 452 5105
- IN2SPORTS - Jennifer Law - 082 490 2999
- A MAZE/Fak’ugesi/Wits - Kieran Reid - Kieran.Reid@wits.ac.za