

# JOSHUA RUTHEL

Information/Software Engineer

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Johannesburg, South Africa



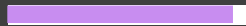
## PROFILE

A diligent learner with an immense work ethic and a deep fascination with the technological world. Currently in pursuit of a BEng in Information (Software) Engineering.

On the lookout for any opportunity to gain work experience and insight into the role of a Software Engineer in the modern age.

## SKILLS

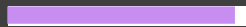
Problem - Solving



Leadership



Time-Management



Communication



Teamwork



## INTERESTS



Lifting



Technology



Sport



Gaming

- ☐ Machine Learning
- ☐ OS Development
- ☐ Web/App Development
- ☐ Artificial Intelligence
- ☐ Embedded Systems
- ☐ Cyber Security

## COURSEWORK

- ❖ Software Development I & II
- ❖ Introduction to Machine Learning
- ❖ Secure Computing
- ❖ Data Intensive Computing
- ❖ Data Structures and Algorithms
- ❖ Microprocessors

## EDUCATION



Matriculated, 2019

King Edward VII School



Enrolled at University, 2020

University of Wits Watersrand  
BEng Information Engineering  
Year of study - 4



## IN THE CLASSROOM

### Matric

3<sup>rd</sup> in Johannesburg East District

8/8 Distinctions

90.4% Average

Distinction in Advanced Program Mathematics

### University

83% Total Average in 3 years of study

25/30 Course Distinctions

Deans List & Certificate of Merit in 2020

Merit Scholarship 2021, 2022 & 2023

### Matric Math Challenge

Placed 1<sup>st</sup> in Gauteng for Grade 12

## OUTSIDE THE CLASSROOM

### Prefect

Head of School House 2019

Part of the 12 Member Leadership Committee

### Work Experience

12 Week Internship based work at Syft Analytics. An API Data Centre was built using React with integrations to Shopify, Stripe, MS Teams amongst others. Experience with lead enrichment and automating the process with a React based filtering and enrichment web application.

## PROGRAMMING



React, HTML, CSS, TailwindCSS, Javascript, Redux



C++, Python, Node.js, Express.js, Sequelize ORM



PostgreSQL, OAuth, Git, SFML, Jupyter Notebook



<https://JoshRuthel.github.io/web-portfolio> - A link to my web-portfolio