

JOSHUA RUTHEL

Electrical/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

WORK AMBITIONS

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

EDUCATION



Matriculated, 2019

King Edward VII School



Enrolled at University, 2020

University of Wits Watersrand
BEng Information Engineering
Year of study - 3



IN THE CLASSROOM

Matric Finals

3rd in Johannesburg East District

8/8 Distinctions

90% Aggregate

Distinction in Advanced Program Mathematics

Full Academic Colours

Awarded in 2018

80+% Aggregate consecutively for Grade 11/12

Matric Math Challenge

Placed 1st in Gauteng for Grade 12

OUTSIDE THE CLASSROOM

Prefect

Head of School House 2019

Part of the 12 Member Leadership Committee

Work Experience

6 Week Internship at Syft Analytics in 2021

Experience with React.js, Node.js, Express.js

Designed and built a web app which served as an API

Data Centre with access to multiple API's including

Microsoft Teams, Google Analytics and PayPal

LANGUAGES



PROGRAMMING



Intermediate in C++

Experience with Javascript, HTML and CSS



Basic understanding of CAD – Solid Edge 2020

To whom it may concern,

It's my absolute pleasure to recommend Josh.

I was Josh's supervisor at Syft Analytics during his internship.

I thoroughly enjoyed my time working with Josh. He is an asset to absolutely any team. He worked well in a team environment and was able to complete tasks given to him with minimal supervision required

His work ethic was a huge advantage to our entire team. He put this skillset to work in order to build out connections to multiple APIs.

Without a doubt, I confidently recommend Josh to join your team. As a dedicated and knowledgeable employee and an all-around great person, I know that he will be a beneficial addition to your organization.

Please feel free to contact me at 0833871563 should you like to discuss Josh further. I'd be happy to expand on my recommendation.

Best wishes,
David Golach

* Term Year

2022



CONTINUE

Official Grades

Program	Program Description	Course Offering	Course Description	Mark	Symbol	Grade	Units	Exam Type
EFA04	BSc Eng (Electrical Info	APPM3021A	Computational Mathematics	95	A	PASS	15.00	Mid Year Unconfirmed Result
EFA04	BSc Eng (Electrical Info	ELEN1998A	Vacation Work I (Electrical)			WINC		Mid Year Unconfirmed Result
EFA04	BSc Eng (Electrical Info	ELEN3002A	Electronics II	87	A	PASS	15.00	Mid Year Unconfirmed Result
EFA04	BSc Eng (Electrical Info	ELEN3007A	Probabilistic System and Signal Analysis	***				
EFA04	BSc Eng (Electrical Info	ELEN3009A	Software Development II	***				
EFA04	BSc Eng (Electrical Info	ELEN3012A	Signals and Systems IIA	55	D	PASS	12.00	Mid Year Unconfirmed Result
EFA04	BSc Eng (Electrical Info	ELEN3013A	Signals and Systems IIB	***				
EFA04	BSc Eng (Electrical Info	ELEN3015A	Data and Information Management	86	A	PASS	18.00	Mid Year Unconfirmed Result
EFA04	BSc Eng (Electrical Info	ELEN3016A	Control I	***				
EFA04	BSc Eng (Electrical Info	ELEN3017A	Electrical Engineering Design	75	A	PASS	15.00	Mid Year Unconfirmed Result
EFA04	BSc Eng (Electrical Info	ELEN3018A	Economics of Design	***				
EFA04	BSc Eng (Electrical Info	ELEN3024A	Communication Fundamentals	***				

Note: Units refer to the credits that the course carries.

* Term Year

2021



CONTINUE

Official Grades								
Program	Program Description	Course Offering	Course Description	Mark	Symbol	Grade	Units	Exam Type
EFA03	BSc Eng (Electrical)	ELEN2016A	Electronics I	64	C	PASS	16.00	
EFA03	BSc Eng (Electrical)	ELEN2017A	Electric Circuits	91	A	PASS	12.00	
EFA03	BSc Eng (Electrical)	ELEN2021A	Microprocessors	90	A	PASS	14.00	
EFA03	BSc Eng (Electrical)	ELEN2020A	Software Development I	93	A	PASS	16.00	
EFA03	BSc Eng (Electrical)	COMS2004A	Data Structures and Algorithms	95	A	PASS	18.00	
EFA03	BSc Eng (Electrical)	ELEN1998A	Vacation Work I (Electrical)			WINC		
EFA03	BSc Eng (Electrical)	ELEN2003A	Electric and Magnetic Systems	83	A	PASS	18.00	
EFA03	BSc Eng (Electrical)	ELEN2005A	Signals and Systems I	78	A	PASS	12.00	
EFA03	BSc Eng (Electrical)	MATH2014A	Mathematics II	78	A	PASS	33.00	
EFA03	BSc Eng (Electrical)	PHYS2007A	Physics II (Electrical)	89	A	PASS	15.00	

Note: Units refer to the credits that the course carries.