Future UCT Graduate Day 2022

Speed networking sessions



Computer Science

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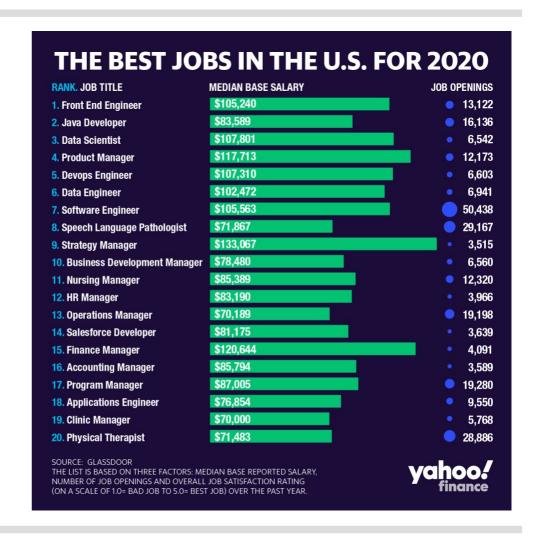


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Why Study Computer Science?

- □ Change the world!
- Be happy.
- Be excited.
- □ Stability/Job security.
- Lots of growth opportunities.
- Make money.
- Get famous.
- Study further or teach.
- Complement something else.
 - Something for fun; something for a career.



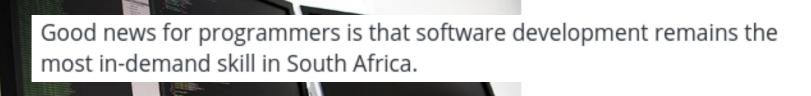




What about jobs in South Africa?

Software developer salaries in South Africa in 2021

Staff Writer 18 May 2021



Intermediate Software Development Salaries (CTC)				
Region	From	То		
Gauteng	R48,442	R65,604		
Western Cape	R45,012	R56,685		
KwaZulu-Natal	R42,755	R55,882		

https://mybroadband.co.za/news/business/397239-software-developer-salaries-in-south-africa-in-2021.html





What is Computer Science?

- □ Computer Science (CS) is the study of:
 - Computer software
 - Algorithms, abstractions and efficiency
 - Theoretical foundation for computation
- □ What you learn in a Computer Science degree:
 - Principles of computation
 - How to make machines perform complex tasks
 - How to program a computer
 - What current technology exists and how to use it
 - Problem solving





The BSc Computer Science degree

	CS	Required Courses	Second Major	Electives
First Year	Programing in Python OOD in Java	Calculus Discrete Methods	Computer Engineering OR Business Computing OR Any Other Major	(from CS) AI + C++ (3 rd year) (from other depts) Mathematics Statistics Physics Accounting Psychology etc.
Second Year	Data Structures and DB Concurrency, HCI, Architecture	Intro to SE		
Third Year	OS, Networking, Algorithms, Software Engineering		(Math, Stats, isiXhosa, Economics, etc.)	

Postgraduate Options Honours (4th year), Masters, PhD





Why Study CS @ UCT

- □ Internationally recognised and aligned curriculum (benchmarked against ACM/BCS).
- CS department ranked highest in country.
- □ Innovative teaching (research-led, constant curriculum revisions, etc.).
- □ Diverse staff interests.
- □ Enthusiastic staff and students!



So what degrees are Computer Science?

- □ BSc with a major in Computer Science
- □ BBusSci with a specialization in CS
- BCom with a specialization in IS+CS
- □ BA with a major in Computer Science



What do I need to get into CS?

- □ Meet points score for admissions.
- High school Mathematics!
 - 70% in NSC
- □ 60% in Physics or IT if you want a BSc
 - otherwise you can get a BBusSci, BCom (IS+CS) or BA (CS)
- □ Everything else we will teach you.
- □ No Matric IT needed!
 - Seriously, we can teach this stuff better :)





Thank you for listening!



Questions?

Visit the School of IT website: http://www.sit.uct.ac.za/