



Ronin Brookes

Final-Year Computer Science Student
University of Pretoria

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LinkedIn
GitHub

Skills

English; Afrikaans; Problem Solving; Team Player; Communication.

Programming Languages and Tools:

Java	CSS
C++	Python
JavaScript	SQL
TypeScript	MongoDB
PHP	Angular
HTML	ionic

Achievements

2023 Final-Year

Member of the Golden Key
International Honour Society.

2018 Grade 12

Full Colours Award for Academics.

2017 Grade 11

Full Colours Award for Academics.
Merit Award: 5th on Top Ten.
Vaaloewerse Kunswedstryd: A+ for
English Literature.

2016 Grade 10

Merit Award: 9th on Top Ten.

2014 Grade 8

Best Academic Achiever.
Best in Grade 8 for Creative Arts,
Social Sciences and Technology.

Hobbies

Reading, writing, movies, swimming,
squash, gaming, game development.

Profile

I am a final-year BSc Computer Science student at the University of Pretoria. My passion lies in software modelling, data structures and algorithms, web design, and problem-solving using software solutions. As I approach graduation, my goal is to secure a full-time position as a Software Developer where I can leverage my strong academic record, technical skills, and proactive mindset to contribute to impactful projects. With a keen interest in emerging technologies and a collaborative attitude, I am confident in my ability to deliver exceptional results and make valuable contributions to your organization's success.

Experience

GITHUB PROJECTS I HAVE CONTRIBUTED TO INCLUDE:

- Capstone 2023, Encompass Social Media Application.([Link](#))
 - Frontend Engineer; Unit tester.
- Mini-Project 2023, Lapse Social Media Application.([Link](#))
 - Frontend Engineer.
- Software Modelling Project, Strategic War Game.([Link](#))
 - Backend Engineer.
- Databases Project, Swimming Competition Application.([Link](#))
 - EER Diagram Designer, Authorization implementer.

TUTORING WORK

- Software Modelling (COS214) Tutor for the University of Pretoria - **August 2023-Present**

SHADOW WORK

- Entelect, Melrose Arch, Johannesburg, 2017, here I closely observed the process of development among the various software engineers as they worked on several projects.

Education

UNIVERSITY OF PRETORIA | SOUTH AFRICA

- BSc Computer Science – 2021-Present**
Key Modules: Software Engineering, Data Structures and Algorithms, Software Modelling, Introduction to Database Systems, Discrete Structures, Statistics.
- BEng Computer Engineering – 2019-2020**
Key Modules: Program Design, Imperative Programming.

SASOLBURG HIGH SCHOOL | SOUTH AFRICA 2015-2018

- Grade 12 Results:**
Achieved 80+ % for: Information Technology and Life Orientation. Achieved 70+ % for: English (HL), Afrikaans (FAL), Mathematics, Life Science and Physical Science.



Proud Member
Golden Key
International Honour Society

Academics

Bachelor of Computer Science Key Modules and Academic Averages:

First-Year, 2021, Average: 76%.

• WTW152: Mathematical Modelling	76%
• WTW148: Calculus	78%
• WTW146: Linear Algebra	90%
• WTW134: Mathematics	70%
• WTW115: Discrete Structures	66%
• STC122: Statistics	79%
• COS110: Program Design Introduction	64%
• COS151: Introduction to Computer Science	72%

Second-Year, 2022, Average: 71%

• COS210: Theoretical Computer Science	73%
• COS212: Data Structures and Algorithms	61%
• COS214: Software Modelling	77%
• COS216: Netcentric Computer Systems	64%
• COS284: Computer Organisation and Architecture	73%
• COS221: Introduction to Database Systems	68%
• COS226: Concurrent Systems	70%
• WTW285: Discrete Structures	84%

Final-Year, 2023, Average: 84%

• COS332: Computer Networks	75%
• COS341: Compiler Construction	91%
• IMY310: Multimedia	85%

References

LINKS

- **Github:** github.com/RoninBrookesTuks
- **Linkedin:** linkedin.com/in/ronin-brookes

Senior Computer Science Lecturer at the University of Pretoria:

Dr Linda Marshall: lmmarshall@cs.up.ac.za