

EDWARD RYCROFT

Software Engineering, Data Science, Digital Art, Writing

CONTACT

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<https://edwardrycroft.com/>

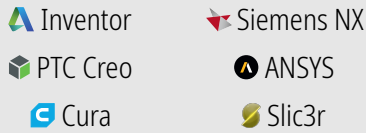


SKILL SETS

Data Science And Analysis, Software, Computer Programming,



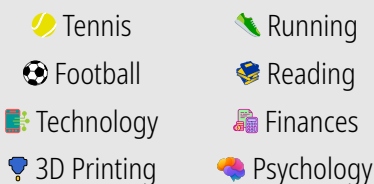
Design Modelling, Engineering Analysis, Numerical Simulations



Computer Graphics, Digital Media Production, Presentation



INTERESTS



Version: 2023-07-01

I am a software engineer with experience in data science. I have creditable results and the ability to apply learnt theory to practical situations, while being attentive and possessing a strong work ethic, independent character, and steady composure. I am also capable of innovative thinking, determined to achieve goals, and work well with others to complete the necessary projects. I am seeking to increase my potential in engineering and with data through tangible and fulfilling work, where I am able to contribute through my experience and learn from other fields and disciplines.

EDUCATION QUALIFICATIONS

Master of Science in Engineering, Mechanical (Distinction) [2020 - 2021]
University of the Witwatersrand, Johannesburg



Bachelor of Science in Engineering, Mechanical (Distinction) [2016 - 2019]
University of the Witwatersrand, Johannesburg



Other certified education, training courses, and professional development:

> Various MATLAB Courses including several onramps, Fundamentals, Programming Techniques, Object-Oriented Programming, and Data Processing And Visualization (MathWorks) [2022]

PROFESSIONAL EXPERIENCE

Position: Consultant - Software Engineering [2022/01 - Present]

Employer: Opti-Num Solutions



Working across a wide variety of industries in advanced business analytics, financial engineering, digital engineering, smart mining and manufacturing, and research. This involves engaging with clients (such as MTN, African Bank, Johannesburg Stock Exchange, Anglo American, and Lodox) and applying class-leading tools which align with the needs of the clients with an emphasis on MATLAB (and its toolboxes for statistics, machine learning, visualizations, and image processing) and Python. The fields of exposure range between software engineering, data analytics, and data science.

Position: Operations Analysis [2021/11 - 2021/12]

Employer: DiDi, International Business Group (IBG)



Position: Graduate Engineer, Cooling Design [2020/03 - 2021/08]

Employer: Defy Appliances, Arçelik A.Ş.



Position: Vacation Work II Internship [2018/12 - 2019/01]

Employer: CKR Consulting Multi-Disciplinary Engineers



Position: Vacation Work I Internship [2017/12 - 2018/01]

Employer: Red Metal Mining Project Engineers



HIGHLIGHTED PROJECTS

Project: Postgraduate Master's Research Dissertation [2020 - 2021]

Subject: Solar-Powered Evaporative Cooling For Produce



Project: Undergraduate 4th Year Research Project [2019/Q4]

Subject: Quadrotor Visual Servoing For Target Tracking



Project: Undergraduate 4th Year Design Project [2019/Q3]

Subject: Electrically Enhanced Personal Transportation



Other recreational project on a wide variety of topics and interests::

> I am always actively exploring and sharing ideas: <https://orbits.edwardrycroft.com/>

> For the latest updates of this document, please visit: <https://professional.edwardrycroft.com/>