TIISETSO MURRAY

Johannesburg, South Africa

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EDUCATION

University of the Witwatersrand   Johannesburg, RSA

BSc Engineering (Industrial)   Feb 2009 – Dec 2012

- Top 10%
- Certificate of Merit Engineering Drawing, 2009
- Member of Golden Key Society, 2009
- Allan Gray Orbis Foundation Scholarship, 2010
- Plastics SA Design Winner, 2012

University of the Witwatersrand   Johannesburg, RSA

Postgraduate Computer Science Program,   Jan 2013 – Dec 2013

- *70%*
- Developed health management application
- MIT GSL Winning team and best entrepreneur

Tsinghua University   Beijing, PRC

Mandarin Language Program,   Sep 2016 – July 2017

- 88%
- Speak, read, and write at an intermediate level

EXPERIENCE

VescoPlastics   Johannesburg, RSA

Industrial Engineer   Mar 2016 – Sep 2016

Worked on process improvement and business development at an advanced low friction polymer bearing manufacturer. Analysed and improved inventory control, factory layout, material flow, and production processes. Implemented network monitoring technologies, setup Google Business and Adwords campaigns, and revamped company website and email systems reducing cost, improving speed and reliability.

Parktown Boys' High School   Johannesburg, RSA

Physics and Chemistry Teacher   Oct 2014 – Aug 2015

Taught physics and chemistry to all grades at top public high school. Designed and conducted new experiments and demonstrations beyond the required curriculum to illuminate concepts and theories, and stimulate interest in STEM disciplines. Created exams and tests for all levels including grade 12.

SKILLS

- Write software in several languages such as Java, Javascript, Python, HTML, CSS, and able to learn new languages and frameworks as required.
- Proficient in Microsoft Office suite and able to utilise advanced spreadsheet functions such as VBA and Solver to automate tasks and run metaheuristic optimisation algorithms.
- Proficient in 3D modelling and design software such as AutoCAD inventor.
- Native English, Intermediate Mandarin and Afrikaans.