

Tiisetso Daniel Murray

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WORK & EXPERIENCE

VescoPlastics — Industrial Engineer

Johannesburg | Mar 2016 - Sep 2016

- Continuous improvement at sales office; identified and addressed primary bottlenecks.
- Created Google Adwords campaigns and setup network performance monitoring tools.
- Process improvement at manufacturing plant; helped plan efficient layout during factory expansion, examined capacity constraints.

Parktown Boys' High School — Educator

Johannesburg | Oct 2014 - July 2015

- Taught grade 8-12 physics and chemistry.
- Coached public speaking and debating teams.

Medical Services Organisation — Engineer

Pretoria | Dec 2012

- Developed and presented solutions to the Compensation Fund's insurance claim backlog at the South African Department of Labour.

Megatron Federal — Student Engineer

Johannesburg | July 2011

- Improved process flow and reduced waste between manufacturing hubs.

Wits Solar Car — Student Engineer

University of the Witwatersrand | Nov 2010 – Jan 2011

- Part of student team that designed and built the university's first solar car.

SCAW Metals — Student Engineer

Johannesburg | Nov 2009 – Dec 2009

- Created semi-automated preventative maintenance spreadsheet tool.

EDUCATION

Mandarin Language Program

Tsinghua University | Sep 2016 - Present

HDip Computer Science

University of the Witwatersrand | 2013

BSc Engineering (Industrial)

University of the Witwatersrand | 2009 – 2012

SKILLS

Programming Languages

- Java, VBA, Python, Javascript, CSS/HTML.

Software

- Autodesk Inventor, Solid Edge.
- MS Office and iWork suites.

Language

- Native English
- Beginner Mandarin

LEADERSHIP

Industrial Engineering 2012 — Class Representative

Jul 2009 – 2012

- Represented interests of our class at termly meetings with Head of School.

Parktown Boys' High School — Head Boy

Sep 2007 – Oct 2008

- Led a team of 15 prefects in a school of 800 learners.
- Formed a small initiative that collected 16 000 cans for Meals on Wheels.

AWARDS

MIT GSL Program

Best Entrepreneur | 2013

Plastics SA Recycling Trolley

Design Winner | 2012

Allan Gray Orbis Foundation

Fellow | 2009

Golden Key Society

Member | 2009

Engineering Drawing

Certificate of Merit | 2009