

# Privilege Charmaine Tavagwisa

## PROFILE

I am a Data Science Bootcamp graduate enthusiastic about the Internet of Things (IoT). I can clean, analyze and visualize data and provide insights and reports on it

## CONTACT

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## WORK EXPERIENCE

### • Lecturer

**BELGIUM CAMPUS ITVERSITY, PRETORIA**

July 2013–Now

Mentoring and Lecturing Internet of Things (IoT), Operations Research, Internet Systems, Mathematics and Hardware Programming  
Supervising students' projects •  
Evaluation, assessment and grading of performance  
Developing new course material and assessments

### • Engineering Lecturer

**HARTLAND COLLEGE, PRETORIA**

January 2013–June 2013

Lecturing Industrial Electronics N2 to N5, Electrotechnics N2 to N5, Engineering Science N2 and Engineering Drawing N2

### • Engineering Intern

**ELECTRONIC PRODUCTS DESIGN, CENTURION**

February 2009–October 2010

Construction, testing and debugging of prototypes using ARM32, AVR's  
Repair and soldering of electronic boards to component level  
Working with production documentation such as Bill of Materials (BOMs)  
Interpreting circuit schematics

## EDUCATION

### • Data Science Bootcamp

**HYPERIONDEV**

2021

### • Bachelor of Engineering (Honours) In Electronic Engineering

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY**

August 2005–May 2011

## SKILLS

Data visualization using Tableau, Pandas, Matplotlib, Numpy

Proficient in Python programming

Machine learning using PyTorch, TensorFlow, SciKit Learn

SQL

Version Control using Git

Prototyping using Arduino, Raspberry Pi

Programming TeachMover Robot arms

Good report writing, oral and written communication skills

IoT development using ThingWorx

Embedded design in C, C++, and Assembler

Interpreting sensor data

Document management (quoting, invoicing, bill of materials and manuals)

## ADDITIONAL CERTIFICATES

✓ Certificate of Competency in Soft System Methodologies, University of Witwatersrand

✓ Certificate in Management of Technology, University of Witwatersrand

✓ Certificate in Financial Management for Engineering Organisations, University of Witwatersrand

✓ Certificate in Strategic Management in Engineering, University of Witwatersrand