

# GrantStephens

Data Engineer

 26 April 1988  
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## Skills

Python

Go

Pandas

Git

Kubernetes

Linux

## Links

 /grantstephens  
 /grantstephens  
 /grantstephensza  
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## experience

2019-Current Ravelin Data Engineer  
Moving data science infrastructure to kubernetes

2017-2019 EDITED Engineer  
Visual merchandising shooter, Unit testing, Deployment, Optimisation

2015-2017 HealthQ (LifeQ) Technologies Engineer  
Modelling, Unit testing, Digital signal Processing, Integrating and optimising the virtual human model

2014-2015 WKC Group Environmental Engineer  
Air dispersion modelling for refineries in the Middle East, DRC and South Africa

2013-2014 Barden Racing Race Engineer  
Responsible for the the race vehicle (Maintenance and Repair). Finished the 2014 Dakar rally in 25th place and 3rd placed rookie.

## education

2014-2016 M.Eng (Mechanical)(Distinction) University of Pretoria  
Thesis focussed on optimisation and flow through porous media. Optimisation work found a new method of finding a starting point in a global problem with many local minima.

2012-2013 B.Eng (Mechanical)(Honours) University of Pretoria  
Electives included: Numerical Methods, Optimisation, Advanced Finite Element Methods and Porous Flow

2007-2011 B.Eng (Mechanical) University of Pretoria  
Distinctions: Programming, Final Year Project.  
Activities: Mini Baja, Ultimate Frisbee, Vlot Kaptein

## interests

professional: optimization, kubernetes, FEM, green energy  
personal: adventure, mountain biking, running, electronics, engines, tinkering

## presentations

2019 Go Tensorflow- TechInFinance  
2020 Darkweb- Good, Bad, Grey- MRC Online

## side projects

3D Printer Built a 3D printer and then designed and built a number of items using OpenSCAD, Solidworks and others.

Bitcoin Trader A bot that automatically trades bitcoin based on my own model. Much of the supporting code has been open sourced and is being used in other bots.

Analog GPS A project where a GPS chip is used in an analog speedometer to display the speed. Featured on hackaday.com here: <http://hackaday.com/2016/06/28/analog-guts-display-gps-velocity-in-this-hybrid-speedometer/>