

# Hands-on Experience in Software Development and Code Management

Greg Lever

# Code Management Tools



# Code Management Tools

## Gitflow

*back to the drawing board...*

v1.2

master

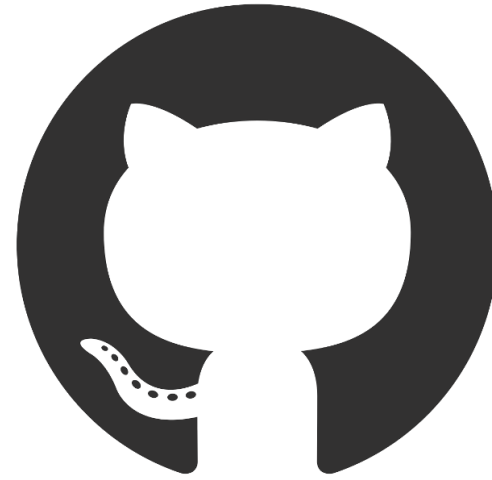
develop

feature/DEV-45

feature/DEV-60

<https://www.atlassian.com/continuous-delivery/continuous-delivery-workflows-with-feature-branching-and-gitflow>

# Code Management Tools



# Software Development



Uniformly Derived Orbital Parameters of Exo-planets using EXOFIT  
ST Balan, **G Lever**, O Lahav  
Pathways Towards Habitable Planets, (2010)

Model system for controlling strain in silicon at the atomic scale  
P Studer, SR Schofield, **G Lever et. al.**  
*Physical Review B*, (2011) 84, 4, 041306

A uniformly derived catalogue of exoplanets from radial velocities  
MDJ Hollis, ST Balan, **G Lever**, O Lahav  
Monthly Notices of the Royal Astronomical Society, 2012



Electrostatic considerations affecting the calculated  
HOMO–LUMO gap in protein molecules  
**G Lever et. al.**

Journal of Physics: Condensed Matter (2013) 25 (15)

Large-scale density functional theory transition state  
searching in enzymes  
**G Lever et. al.**

The Journal of Physical Chemistry Letters (2014) 5 (21)

L<sup>A</sup>T<sub>E</sub>X

Large-Scale Quantum-Mechanical Enzymology  
**G Lever (2015)**

Springer International Publishing



# Software Development

