

# Sebastian Tulinski

SOUND ENGINEER

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## Experience

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### Mother City Records

SOUND ENGINEER

Cape Town, SA

Aug 2015 - PRESENT

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- **Tools:** Docker, CWL, PostgreSQL, MySQL, Python, Git, Linux

### Chase De Vere

IT SUPPORT, SERVICE DESK TECHNICIAN

Manchester, UK

Sept 2014 - March 2015

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- **Tools:** Matlab/Simulink, Core9, Python, Git, Linux

### SLM Connect

DIALLER MANAGER AND NETWORK ADMINISTRATOR

Manchester, UK

Feb 2011 - Sept 2014

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- **Tools:** HFSS, ADS, Windows

### Science and Technology Facilities Council ISIS

AUTOMATION ENGINEER

Oxford, UK

Sep 2009 - Aug 2010

- Designed and built control software to support and automate muon experiments
- Provided programming, troubleshooting, testing/measurement and technical support
- **Tools:** LabView, National Instrument DAQ systems, Windows

## Projects

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### Transients and Pulsars with MeerKAT

TRAPUM <http://www.trapum.org/>

Cape Town, SA

2015 - PRESENT

- Processing Working Group: covers development and operation of processing infrastructure for TRAPUM.
- Data Working Group: Covers archiving, storage, accessibility, traceability.

### IBM Research - Africa

COGNITIVE SYSTEMS <http://www.research.ibm.com/labs/africa/>

Cape Town, SA

2016 - PRESENT

- Joint patent: Identification of RFI
- Use of machine learning to improve the computational infrastructure of the MeerKAT radio telescope.

### Breakthrough Initiatives

SETI BREAKTHROUGH LISTEN <https://breakthroughinitiatives.org/initiative/1>

Cape Town, SA

2016 - PRESENT

- Machine learning and big data techniques to distinguish between terrestrial sources of interference, and potential extraterrestrial signals.

## Education

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### PhD, Radio Astronomy

MANCHESTER UNIVERSITY

Manchester, UK

2011 - 2015

- **Title:** High-time resolution astrophysics using digital beamforming

### BEng in Electronic Engineering

ASTON UNIVERSITY

Birmingham, UK

2007 - 2011

- First Class with placement year

# Languages & Skills

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<b>Languages</b>	Java, C, Ruby, Javascript, C#, Visual Basic
<b>Frameworks</b>	Ruby on Rails, Bootstrap, Skeleton, Flexbox, ASP.NET
<b>Database</b>	MSSQL, MySQL, PostgreSQL
<b>Markup</b>	HTML, XML, Markdown, LaTeX
<b>Design</b>	Adobe Photoshop, Adobe InDesign, Adobe Illustrator
<b>Other</b>	English, Chinese (conversational), Spanish (limited)