

# James Schreiber

Process Improvement  
Manager &  
Production Engineer

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## Skills

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### James Schreiber

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Windows, Mac & Linux

#### Mechanical Design and Analysis:

##### Design:

Solidworks, PTC Creo, Inventor Fusion and Rhinoceros 5 w/  
Grasshopper.

##### Analysis:

Ansys Workbench, Spaceclaim and MSC Mentat.

##### Specialisations:

Process design and optimisation.

Mechatronic testing and development.

Troubleshooting and repair of advanced mechatronic systems.

Fabrication and manufacturing experience - design and assembly.

#### Embedded and Electrical:

##### Embedded:

HTML/JS/CSS, node.js, shell, python, react.js, angular, matlab, C/C++,  
VBA, assembler.

##### Electrical Design:

Eagle, Circuitmaker

##### Electrical Assembly:

Certified IPC Specialists under IPC-620 C (Cable and Wire Harness  
Standard)

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## Experience

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### **Trakka Systems/ Process Improvement Manager and Production Engineer**

Feb 2019 - PRESENT, Melbourne

Planning for large-scale improvements to existing operational systems across the organisation. As well as the day-to-day responsibilities of production.

### **Trakka Systems / Process Engineer**

Feb 2017 - Feb 2019, Melbourne

Production Management and Technician, Test Engineering, R&D and Service Technician. All experienced within a QMS compliant to current AS9100 standards .

### **Kevin Stahlmon / Apprentice**

Aug 2014 - Dec 2016, Byron Bay

Carpentry, construction and renovations.

### **Starseed Gardens / Technical Officer**

Feb 2013 - Dec 2016, Byron Bay

The maintenance of small agricultural machines, IT networks, electrical, plumbing, and various aspects of small-scale agricultural and construction projects.

### **Evergreen Gardening / Apprentice**

Apr 2012 - Feb 2013, Melbourne

Casual work for a small Gardening and Landscaping Business.

### **Rainbow Serpent Festival / Catering Staff**

Jan 2012 - Jan 2012, Melbourne

Prepping and kitchen duties, catering for 300+ people

### **Strike Entertainment / Venue Staff**

Mar 2008 - Dec 2010, Melbourne

General staff at Strike on Chapel, included preparing and hosting events, serving food and drink, working behind the counter and an assortment of cleaning and organisation tasks.

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## Education

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### Bialik College / VCE

Feb 2010 - Nov 2011, Melbourne

My VCE is accredited to the following courses:

Physics, Mathematical Methods, Further Mathematics, Philosophy, English Literature and Religion & Society.

### Griffith University / Bachelors of Mechanical Engineering

Mar 2013 - Jul 2017, Gold Coast

Standard Mechanical Engineering Courses, with elective subjects including; Sensors and Actuators, Microprocessor Techniques, and C Programming.

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## Achievements

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Leading the implementation of a flagship product from prototype to standard production within aerospace standards, within one year.

Implementing electronic work instructions within an existing production environment.

Onboarded dozens of new employees with highly technical processes.

Providing technical support for a project with the NZDF EOD squadron.

Self-taught electronic hardware and software design and assembly theory and other cross-disciplinary technical skills.

The restoration of a Desktop CNC Milling Machine. Created custom CAM software specific to the machine. Successful Milling of Acrylic and 3mm Aluminum parts.

Various Home Automation Projects and IoT enabled devices, using \$3 Wi-Fi boards, and a self-written tool-chain for creating simple custom servers using Socket.io.

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## References (details on request)

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Monash University Coding Boot Camp Instructor - Stranhinja Ajvas

CEO Trakka Tech - Or Melinek

Head Technician at Roboteam - Roei Rosenfeld