

# Thomas Loch

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## Summary

Experienced Technical assistant with a demonstrated ability of working in the electrical and electronic manufacturing industry. Skilled in Autodesk Inventor, AutoCAD, Altium Designer. Strong professional with a Bachelor of Aviation from Griffith University. Currently studying a Bachelor of Engineering (Honours) Majoring in Computer Systems at USQ.

## Education

### **2018 - 2021, University of Southern Queensland, Australia**

Bachelor of Engineering (Honours) Majoring in Computer Systems  
GPA: 6.25

### **2009 - 2012, Griffith University, Australia**

Bachelor of Aviation, Graduate Diploma of Flight Management  
GPA: 4.6

### **2007 - 2008, Metropolitan South Institute of TAFE**

Certificate III in Computer Aided Drafting

### **2004 - 2008, Loganlea State High School**

High School Certificate Year 12

## Work Experience

### **07/2016 - 11/2017, Pacific Data Systems Australia Pty. Ltd.**

Production Technician | R&D Technician

- Assembly and testing of company products, using machines and hand tools.
- Assembly of pcb's, using a pick and place machine (Autotronik BA385V2), and reflow oven.
- Assembly of small R&D pcb batches, using hand tools, down to 0402 sized components.
- Programming, fault finding and fixing of assembly and R&D pcb's.
- Designing circuit boards, to a strict set of design standards based on product needs.
- Maintaining an up to date inventory of all components, and upkeeping the BOM of all company electronic products.
- Making inhouse modbus testing software using C#

### **11/2013 - 07/2016, Aldi**

Trainee Store Manager (from 10/2014) | Workplace Health & Safety Officer

- Exceptional customer service.
- Responsibility of all store money.
- Ensuring shifts happen as scheduled, within operational guidelines at all times.
- Staff training, and maintenance of standards among all staff.

### **04/2011 - 07/2013, Woolworths Supermarket**

Perishables Assistant | Storeman

- Customer service.
- Stock monitoring, presentation, and preparation.
- Cold stock handling.
- Oversight of safety on the dock.
- Accepting deliveries & safe loading/unloading of trucks.

## 05/2009 - 10/2010, IKEA Logan

Self Serve Co-Worker

- Customer service.
- Assisting customer with heavy lifting.
- Warehouse tidyness & preperation.
- Stock handling.

## Skills

### Languages

- English
- Dutch

### Computer software | languages

- AutoCAD - 2d/DXF preperation for production.
- Inventor - 3d modeling and sheet metal design.
- Altium - 2-4 layer design, down to 0402 size
- C/C++ - Custom keyboards, usb io boards
- C# - Testing software, using RS485/Modbus
- HTML/JavaScript - Basic website design, pure JavaScript
- Latex - Math assesment, resumes & cover letters
- Git - multi user project (pcb design projects)

### Other

- I run my own business designing and selling custom keyboards

## Aviation

### License

Commercial Pilot License 11/04/2012 | Training Completed at the Airline Academy of Australia

Private Pilot License 18/07/2011 | Training Completed at the Airline Academy of Australia

### Rating & Endorsements

- Single Engine (<5,700 kg)
- Beechcraft Duchess BE76
- Manual Propeller Pitch Control
- Retractable Undercarriage
- Tailwheel Undercarriage

### Flight Hours

- |                       |         |
|-----------------------|---------|
| ○ Total time:         | 240 Hrs |
| ○ Pilot in Command:   | 80 Hrs  |
| ○ Multi Engine:       | 30 Hrs  |
| ○ Night Time:         | 12 Hrs  |
| ○ Beechcraft Duchess: | 30 Hrs  |
| ○ Cessna 172RG:       | 49 Hrs  |
| ○ Cessna 172R/S:      | 154 Hrs |
| ○ Citabria:           | 7 Hrs   |

## References

### **Martin Akman**

Software Engineer, Pacific Data Systems Australia Pty. Ltd.  
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### **David Hugman**

Production Manager, Pacific Data Systems Australia Pty. Ltd.  
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### **Mark Fergusson**

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