

NATHANAEL GANDHI

MECHATRONIC ENGINEER



Australian qualified professional engineer with five years experience in electronic systems design and development. Strong teamwork, research and development skills. Projects & blog posts available on my website. A good way to get to know me is for us to have a chat.

SKILLS

TECHNICAL

- Embedded Software (C/C++)
- Electronic Design Automation
- Prototyping, Soldering
- CI & Containerized Development
- Linux Based Operating Systems

PROFESSIONAL

- Strong Communication
- Managing Client Relations
- Autonomous Team Member
- Facilitator & Leader

EDUCATION

BE(HONS) MECHATRONIC DipProfEngPrac

University of Technology Sydney
2017 - 2022

DIPLOMA OF ENGINEERING

UTS:Insearch
2016

EXPERIENCE

AVIONICS & AIT ENGINEER

Space Machines Company

2021 - Present

- 2023 Australian Space Awards Graduate of the Year - Finalist
- Developing flight software in C derived from NASA
- Low-level hardware interactions & unit testing
- Designing and assembling electronics for engineering and flight
- Assembling, testing and reviewing electronic spacecraft components & systems
- Customer payload integration, testing and relations management

RESEARCH ASSISTANT

Robotics Institute: University of Technology Sydney
(F.K.A Centre for Autonomous Systems)

2018 - 2021

- Modeled and verified sensing technology using Matlab and ROS
- Built power conditioning and distribution PCBs & harnesses
- Led mechanical development of the self-driving mobility platform

EXECUTIVE

Robotics Society: University of Technology Sydney

2018 - 2022

- 2020 - 2022 Treasurer | Events | Technical Advisor
- 2019 President
 - 24 events involving technical, industry and social aspects
 - Mentored four teams in interstate and local competitions
 - Hosted UTS information and experience tours

MANAGERIAL

- 2016 - 2018 Acting Team Leader at Kmart
- 2010 - 2017 Manager at Cafe Frenz

 +61 431 905 747

 nathanaelgandhi@gmail.com

 New South Wales, Australia

 NathanaelGandhi.com