

# William Hanson

## Engineering Technician



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## Profile

*Meticulous Engineering Technician with proven experience in electrical system wiring and installations for industrial commissioning projects. Adept in system upgrades and redesigning complex circuitry for power plans and alternative energy storage farms. Completed an Associate Degree in Engineering Technology and holds a Certified Engineering Technician (CET) accreditation.*

## Employment History

Jan 2018 – Present

[BONNIEVALE](#)

### Engineering Technician Ediolux Engineering Consultants

*Implement mechanical verification and reliability test protocols for 60 prototypes in the last ten months.*

- Validate drawing designs for tools and machinery by checking dimensions and comparing to original specifications
- Create a process flow with step by step guidelines for product assembly
- Conduct and record testing procedures per production specifications
- Responsible for quality audits and control measures of all production lines in the facility

Jan 2016 – Dec 2018

[INDEANAPOLIS](#)

### Maintenance Engineering Technician Murray & Johnson

*Boosted production efficiency by 35% following the redesign of machine and equipment electrical maintenance scheduling.*

- Develop prototypes for electrical and electronic circuitry
- Build, calibrate, and repair testing equipment and calibration instruments
- Troubleshoot electrical system design faults and create solutions
- Install, maintain and fix electrical systems, PCB boards, and electronic components

Jan 2015 – Dec 2015

### Engineering Technician (Industrial)

## Iridium Management Consultants

*Incorporated Kaizen methodology into facility management practices which resulted in safety scores improving by 18% without adding any additional worker resources.*

- Responsible for process improvement and business continuity strategies
- Implemented Kanban principles to solve inventory issues and improve cash flow resources
- Design production layout schematics to enhance the flow of fabrication
- Embark on cycle time studies and comparative analysis against TAKT time frames to improve line balancing and production output

## Education

Jan 2014 – Dec 2016

ORLANDO

### Kaplan University

Bachelor of Science in Engineering Technology

Major Subjects: Engineering Analysis, Circuitry, Linear Networks

GPA Score: 3.8

Jan 2016 – Jun 2016

ALEXANDRIA

### National Institute for Certification in Engineering Technologies (NICET)

Certified Engineering Technician (CET)

Jun 2012 – Dec 2012

ONLINE

### American Society of Quality

Certification in Six Sigma Green Belt

## Skills

Statistical Design	● ● ● ● ●	Process Analysis	● ● ● ● ●
Business Process Improvement	● ● ● ● ●	Preventative Maintenance	● ● ● ● ●
Circuitry	● ● ● ● ●	Data Assimilation	● ● ● ● ●
Electrical Inspections and Repair	● ● ● ● ●	Monitoring	● ● ● ● ●
Report Writing	● ● ● ● ●	Solid Works	● ● ● ● ●
AutoCAD	● ● ● ● ●	Autodesk Revit	● ● ● ● ●
OHSA Mandates	● ● ● ● ●	Prototype Development	● ● ● ● ●
Coding Firmware	● ● ● ● ●	Lean Manufacturing	● ● ● ● ●
Lean Six Sigma	● ● ● ● ●	Kanban	● ● ● ● ●
SQL	● ● ● ● ●	Root Cause Analysis	● ● ● ● ●
ERP Systems	● ● ● ● ●	Split Testing Methods	● ● ● ● ●
Process Flow	● ● ● ● ●	Schematics	● ● ● ● ●

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## Internships

Jan 2014 – Jun 2014

NAIROBI, KENYA

### Civil Technician Trainee

Habitat for Humanity

*Six-month internship abroad.*

- Supervise CAD Draftsman for multiple design projects from draft schematics to final drawing proposals
- Write infrastructure safety reports by analyzing mechanical and electrical blueprints
- Approve statements of work from all site managers
- Design specifications and protocols for construction projects including estimation reports and monitoring processes to execute appropriate quality control

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## Courses

Jun 2019 – Jun 2019

NORTHCENTRAL UNIVERSITY,  
SCOTTSDALE AZ

### Construction Safety for Civil Engineering Technicians Course