

# Clint Hanks

## Electrical Engineer



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NATIONALITY	American	DRIVING LICENSE	Full
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## Profile

*Energetic Electrical Engineer with nine years of experience in the production design of microprocessors for global navigation systems in the Aerospace Industry. Experience with Eagle, PADS and ORCAD, PADS, and Eagle. Involved in the design of 200+ specialized PCBs in the last 18 months. Holds a Ph.D. in Signal Process Electronics.*

## Employment History

Jan 2018 — Jul 2020

JACKSON

### Electrical Engineer

Manow Industries

*Overhauled machine arrangements across various departments to improve efficiency by 38% in 30 days*

- Design, maintain and improve electrical systems, components, facilities and instruments for domestic, commercial or industrial purposes
- Use computer-assisted design and various engineering software and equipment to perform engineering duties
- Discuss project scope, progress, and challenges with Engineering Manager
- Ensure the installation and operating mechanics of circuitry and electrical components conform to client specification
- Prepare technical spec lists and schematics for PCB boards, circuitry and high voltage systems electrical systems specifications, technical drawings or topographical maps
- Establish installation and maintenance standards by performing complex calculations
- Ensure compliance with industry codes and regulations by directing and coordinating the installation, manufacturing, maintenance, troubleshooting, testing and repair of electrical systems or components
- Write reports and compile data sets regarding current and future engineering projects and research studies

Jan 2016 — Dec 2017

WINTERHUDE

### Electrical Engineer

RTA Electrical Components

*Spearheaded the Lean Manufacturing Kanban philosophy which had positive effects on quality, cost and time levels by decreasing expenditures by 28%, improved quality by 18% and cut lead times by 34%*

- Prepare specifications of procurement of electrical materials and equipment
- Supervise junior staff members and contract workers

- Create estimation reports for material, labor and construction costs and present as part of budget preparations
- Develop, review, update, modify and approve works schedules and relevant electrical schematics and design plans
- Continuously liaise with other engineers and clients to ensure deliverables are met
- Liaise with third-party vendors and suppliers to ensure material delivery deadlines are met

Jan 2013 – Jun 2016

AUSTIN

## Electrical Engineer in Training

### Maquin Power Generation

*Designed 300 unique PCB's over the course of 24 months*

- Maintain, tweak and improve current electrical engineering operations and facility processes
- Draw up schedules, budgets, company regulations and relevant policies regarding safety and compliance
- Continuously analyze processes to discover room for improvement in operation efficiencies
- Conduct research, perform diagnostics and troubleshoot equipment and machinery

## Education

Jul 2020 – Jul 2020

INDIAN TRAIL

### National Council of Examiners for Engineering and Surveying (NCEES)

Professional Engineering (PE) Exam

Jan 2019 – Jul 2020

ONLINE

### IEEE Membership

Institute of Electrical and Electronics Engineers, Online

Jan 2016 – Jul 2018

CHARLOTTE

### University of North Carolina

Doctor of Philosophy in Electrical Engineering

Thesis Topic: Micro-electro and Electrical systems design and design optimization in Class I Medical Device applications

Jan 2012 – Dec 2015

SEATTLE

### Seattle Pacific University

Bachelor of Science in Robotics & Control Systems

## Skills

Schematics

Signal Processors

Mega Power Transmitters

High Voltage Circuits

ANSYS Maxwell

Raspberry Pi

Electric motors / generators

Electrical / PCB design software

National Electric Code (NEC)

IoT

NFPA 70

P Spice / LT Spice

ORCAD

PLC

Electrical measurements  
Python  
C / C++ / C#  
SCADA  
Project management skills  
Prototyping and testing  
Industry 4.0  
Automation  
Programming skills and languages

JavaScript  
Technical Drawing  
Bluebeam Revu  
Electrical simulation software  
Robotics  
Transistors, Actuators  
Electrical Estimation  
Mathematical Modelling  
Instrumentation

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## Languages

English  Italian   
Spanish 

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## Hobbies

Triathlons, Cycling, Art

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## Courses

Jan 2011 – Apr 2011

Certificate in Electrical Estimation  
Westwood College, Los Angeles

Jan 2010 – Apr 2009

Associate Systems Engineering Professional  
International Council on Systems Engineering, Online