

Clint Hanks



Electrical Engineer

Address	1515 Pacific Ave, Los Angeles, CA 90291, United States	Phone	(541) 754-3010
Email	email@email.com	Place of birth	San Antonio
Nationality	American	Driving license	Full
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01 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.

02 EMPLOYMENT HISTORY

01/2018 — 07/2020

Electrical Engineer at Manow Industries

Jackson

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

01/2016 — 12/2017

Electrical Engineer at RTA Electrical Components

Winterhude

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

01/2013 — 06/2016

Electrical Engineer in Training at Maquin Power Generation

Austin

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

03 EDUCATION

Jul 2020 — Jul 2020

National Council of Examiners for Engineering and Surveying (NCEES)

Indian Trail

Professional Engineering (PE) Exam

Jan 2019 — Jul 2020

IEEE Membership

Online

Institute of Electrical and Electronics Engineers, Online

Jan 2016 — Jul 2018

University of North Carolina

Charlotte

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 Pacific University

Seattle

Bachelor of Science in Robotics & Control Systems

04 SKILLS

Schematics	Electrical / PCB design software
Signal Processors	National Electric Code (NEC)
Mega Power Transmitters	IoT
High Voltage Circuits	NFPA 70
ANSYS Maxwell	P Spice / LT Spice
Raspberry Pi	ORCAD
Electric motors / generators	PLC
Electrical measurements	JavaScript
Python	Technical Drawing
C / C++ / C#	Bluebeam Revu
SCADA	Electrical simulation software
Project management skills	Robotics
Prototyping and testing	Transistors, Actuators
Industry 4.0	Electrical Estimation
Automation	Mathematical Modelling
Programming skills and languages	Instrumentation

05 LANGUAGES

English	● ● ● ● ●	Italian	● ● ● ● ●
Spanish	● ● ● ● ●		

06 HOBBIES

Triathlons, Cycling, Art

07 COURSES

Jan 2011 — Apr 2011

Certificate in Electrical Estimation at Westwood College, Los Angeles

Jan 2010 — Apr 2009

Associate Systems Engineering Professional at International Council on Systems Engineering, Online