

Clint Hanks, Electrical Engineer

1515 Pacific Ave, Los Angeles, CA 90291, United States, (541) 754-3010, email@email.com

Place of birth	San Antonio	Driving license	Full
Nationality	American		

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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 **Electrical Engineer, 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

Jan 2016 — Dec 2017 **Electrical Engineer, 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

Jan 2013 — Jun 2016 **Electrical Engineer in Training, 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
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EDUCATION

Jul 2020 — Jul 2020 **Professional Engineering (PE) Exam, National Council of Examiners for Engineering and Surveying (NCEES)** Indian Trail

Jan 2019 — Jul 2020 **Institute of Electrical and Electronics Engineers, Online, IEEE Membership** Online

Jan 2016 — Jul 2018

Doctor of Philosophy in Electrical Engineering, University of North Carolina

Charlotte

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

Jan 2012 — Dec 2015

Bachelor of Science in Robotics & Control Systems, Seattle Pacific University

Seattle

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

LANGUAGES

English	Highly proficient	Italian	Native speaker
Spanish	Native speaker		

HOBBIES

Triathlons, Cycling, Art

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