Adrian Hood

Energy Designer

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Encino, CA
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Skills

- Residential and commercial solar engineer with 4 years of combined field and design experience.
- Advanced knowledge of NEC codes and jurisdiction requirements for CA, AZ, NV, TX, and FL.
- Certified in Enphase, Tesla, and Sunpower solar-battery system design and installation.
- Proficient with AutoCAD, Aurora, Scanifly, and SunEye software for PV system design.
- Multilingual: Fluent in English and Spanish, and conversational in German and Japanese.
- Excel pro, skilled in designing specialized spreadsheets and project coordination tools.

Experience

Solar optimum / Project design coordinator

AUGUST 2023 - PRESENT, BURBANK, CA

Responsible for all plan reviews before permitting and passing high-level feedback to design directors.
Created Salesforce dashboards for real-time KPI tracking, enhancing team efficiency with data insights.
Recognized for top-tier communications with all clients to deliver a first-class customer experience.
Maintained detailed records of AHJ standards for designers, reducing revision cases by 35%.

Plug it in solar / Engineering design manager

OCTOBER 2022 - AUGUST 2023, VAN NUYS, CA

Led a team of 3 to consistently deliver 25-30 site surveys and designs weekly.
Completed pre-designs, plan reviews, and corrections for 700+ permitted solar and battery projects.
Built a cloud-based data tool for surveyors to input, verify, and share standardized site information.
Held live photo reviews for each site survey, dropping revisits and post-installation changes by 70%.

Plug it in solar / Solar design engineer

OCTOBER 2021 - OCTOBER 2022, VAN NUYS, CA

Professionally drafted 300+ solar and battery plans using Aurora, site survey data, and AutoCAD.
Implemented new standards and templates, adapting to major changes in codes and regulations.
Achieved 200% design output by streamlining workflows and communications.

Texas responsible energy & efficiency / Solar installer and site surveyor

NOVEMBER 2013 - JUNE 2015, TYLER, TX

Conducted detailed site assessments for off-the-grid PV systems to ensure peak energy performance.
Installed 30kW of rooftop and ground-mounted solar systems in a wide range of site conditions.

Education

University of Texas at Tyler / Mechanical engineering BS

GRADUATING CLASS OF 2019, TYLER, TX

IEEE robotics team mechanical designer | ASME president & fundraising chair | College of Engineering student senate representative | ΣAE fraternity treasurer | Makerspace volunteer-trainer

Awards

2nd out of 35 in IEEE robotics tournament (2018), Maker Faire Favorite: 3D-Recycling Printer (2018)