

Andrew Ramos

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Work Experience

Sr. Renewable Energy Engineer (SME)

Honeywell Process Solutions - Houston, TX

January 2019 to Present

- * Lead technical solution consultant for all Americas sales opportunity for ESS projects in value ranging between \$3MM - \$100MM.
- * Lead engineer for multiple behind the meter battery energy storage systems with a total of 50MW / 100MWh
- * Selected to be one of the few to globally participate in Honeywell's Strategic Market Plan (SMP) for the Renewable Energy Break through Initiative.
- * Multiple Monetary Honeywell Awards: Large Bonus Award for Portfolio Win valued >\$50MM, Bronze Award Winner - "Have a Passion for Winning".
- * Provide global technical support throughout the entire project lifecycle
- * Sales responsibilities are to work across multiple layers to execute high quality proposal needs (i.e., junior engineers, customers, upper management, contractual reviews, and preliminary design)
- * Research and Development support for new Honeywell technology.

Telecom Regional Project Manager (Contractor)

TX - Corpus Christi, TX

July 2018 to December 2018

- * Collaborates with all involved stakeholders to ensure the field resources are available for the project.
- * Ensure field project close procedures are completed (redlines, asset records, and field tasks closed).
- * Ensure project asset/inventory processes, procedures, and controls are in place and understood by telecom project team members.
- * Drives/Assists with scheduling/coordination of new equipment installation and service center telecommunication installation.
- * Facilitates and coordinates change/outage management that are non-NERC CIP.
- * Prepare reports for upper management regarding status of project

Project Engineer II

Renewable Energy Services Americas, Construction Department - Pomfret, CT

August 2017 to March 2018

- * Appointed the Electrical and Commissioning Site Manager (Non-Lead) for construction of a 20 MW AC Solar Power Plant.
- * Acted as technical procurement manager for electrical construction materials and supplies.
- * Supported contract administration.
- * Provided design and constructability feedback for all electrical and SCADA works, ensured compliance with applicable NEC, NESC and IEEE standards.
- * Communicated with external stakeholders (Utility, Electrical AHJ, and Client) to facilitate forward progress.
- * Assisted SCADA engineers with on-site technical support.

- * Managed all engineering studies.
- * Provided technical support to safety supervisors.
- * Directed crews and installed ~0.5 a mile of copper underground communication cable along with High Voltage Isolation equipment.
- * Identified and resolved electrical engineering issues.
- * Maintained an accurate and up-to-date project schedule.
- * Managed electrical works quality assurance and control.
- * Instrumental in the implementation of an effective site LOTO program.

Project Engineer - Cypress Creek Renewables

Engineering Department - Carrboro, NC

July 2016 to May 2017

- * Assisted Senior Electrical Project Engineer in all aspects of solar project design.
- * Designed the ~250 MW DC ground mount Solar Power Plants to meet development energy projections.
- * Performed AC and DC wire sizing, voltage drop calculations, inverter and string sizing for electrical design site plans.
- * Worked with tracker manufacturer to provide preliminary tracker CAD blocks and site plans.
- * Provided technical and contractual feedback in the procurement of vendor to SCADA Manager.
- * Made project site visits with local utilities and municipalities.
- * Reviewed permits using value engineering practices.
- * Learned multiple site plan design requirements specific to North Carolina, Texas, and California.
- * Synthesized multiple utility interconnection agreements to determine company's electrical design obligation.

Project Engineer

OCI Solar Power LLC, Construction Department - San Antonio, TX

August 2014 to July 2016

- * Assisted in project management of the construction, quality control, safety, engineering and procurement of solar power construction.
- * Managed \$1 MM SCADA and Telecommunication project schedule and estimated and controlled construction costs to ensure profitability.
- * Saved over \$750K through design, planning and SCADA project execution.
- * Saved over \$50k through redesign of utility-scale project security system.
- * Reviewed and managed RFP, RFI, Submittal, and NCR documents.
- * Collaborated with technical groups to ensure that contract requirements and standards were met.
- * Conducted quality inspections and field tests using up to date codes, standards, and specifications.
- * Ensured project was compliant with all environmental, health, and safety standards.
- * Validated quality control processes and prepared quality control reports.

Business Development Associate

OCI Solar Power LLC - San Antonio, TX

April 2014 to August 2014

- * Assisted in the permitting process for Alamo 3 (5 MW) and 5 (100MW) solar power ground mount projects.
- * Identified solar market development and long-term investment opportunities.
- * Created a Health and Safety Plan for the development team to conduct safe site visits.
- * Named co-lead on New York Greenfield projects.
- * Performed development due diligence for capital projects.

Business Development Intern

OCI Solar Power LLC - San Antonio, TX

December 2013 to April 2014

- * Composed and submitted a formal proposal for project solicitation.
- * Completed documentation for project easements and encroachments.
- * Identified potential property acquisitions through internet research.

Electrical Engineering Intern

CACI - San Antonio, TX

July 2012 to August 2012

Mapped a wiring schematic for proper electrical assembly in Draftsight.

Physics Researcher

The University of Texas at Brownsville - Brownsville, TX

November 2010 to November 2011

- * Researched and built a cryogenic machine high vacuum system.
- * Constructed mechanism that would characterize a lithium ion polymer battery.
- * Worked on development and construction of a prototype lithium-ion battery.

Summer Engineering Tech I, II, III

Texas Department of Transportation - Corpus Christi, TX

June 2008 to 2009

2010

- * Utilized Falling Weight Deflectometer (FWD) data for roadway design.
- * Completed design drawings with Microstation CADD program.
- * Performed soil tests and analysis

Education

Bachelor of Science in Electrical Engineering

The University of Texas - San Antonio, TX

December 2013

Associate Certification in Electrician

Institute Electrical and Electronics Engineering

Skills

- Excel and Word
- Microsoft Project
- Power Electronic Technology
- AutoCAD Civil 3D
- Microsoft Visio
- BIM 360
- Single Line Drawing

- PVSyst Reports
- Fusion 360 (3D Modeling)
- Eagle PCB CAD
- Network Infrastructure
- National Instruments LabVIEW
- PCB editor
- PSpice
- P6
- Low-Level Assembly Language (CISC/RISC)
- Verilog (Field Programmable Gate Logic)
- PHP
- Java
- C/C++
- Python.

Links

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