**Iwana Job**

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github.com/iwanajob

**EDUCATION**

**Cornell University,** College of Engineering, Ithaca, NY

Master of Engineering in Engineering Management, **GPA: 3.68**  **Expected May 20xx**

**University of Connecticut,** School of Engineering, Storrs, CT

Bachelor of Science in Mechanical Engineering, **Cum Laude, GPA: 3.57 May 20xx**

*Selected Coursework:* Engineering Statistics • Project Management • Managing and Leading Organizations • Energy Economics • Engineering Management Methods • Power Grid Operation & Optimization • Introduction to Decision Analysis

**SPECIALIZED SKILLS**

Technical: MATLAB, LaTeX, FEA, SolidWorks, ANSYS, Microcontroller, machining, CADWorx P&ID, Excel

Professional, AutoCAD 2D experience; Language: Spanish (fluent); Japanese (basic)

**ENGINEERING EXPERIENCE**

**Project Engineer***, XYZ Engineers,* New York, NY**Summer 20xx**

* Served on the core field team for a multimillion-dollar, demand management project for a large local electric company
* Installed data loggers in over 100 multi-family apartments to characterize power consumption trends and load curves
* Developed continuously improving field protocols through meetings with project managers
* Led a roundtable discussion explaining updates with 10 company executives

**Mechanical Engineer***,**ZYX Environment and Infrastructure*, New York, NY **Summer 20xx**

* Focused on energy conservation measures (ECMs) and conducted feasibility studies (FS) and cost estimations with 20% return on investment (ROI) or greater for industrial and military clients
* Served on a team with 20 engineers for an international company with locations throughout the U.S.
* Coordinated project efforts between mechanical designers, engineers, project managers, vendors, and subcontractors
* Managed $800K utility rebate incentive process for client on a $2M energy upgrade project

**RELEVANT ACADEMIC PROJECTS**

**Experiments in Thermal Modeling**, *Mechanical Engineering Department*, University of Connecticut **Spring 20xx**

* Collaborated with a team of 3 peers to design a reconfigurable thermal modeling environment for testing and validation of building controls algorithms
* Purchased instrumentation hardware while working within a $500 budget
* Developed flexible data acquisition process to accurately store temperature data from up to 7 sensors

**Design of Energy Cycles**, *Department of Environmental Engineering,* University of Connecticut **Fall 20xx**

* Worked on a multi-disciplinary team in designing and engineering cogeneration and steam and power cycles
* Developed numerous spreadsheet models for estimating total cost of building and operating alternative fuel stations
* Led 4-person team in design and coordination effort of over 300 pipe supports on a single hot pipe system
* Coordinated weekly meetings between teammates, faculty, and consultants to keep project on track
* Summarized results in a 20-page report presented to local consultants working on the project

**LEADERSHIP EXPERIENCE**

**Graduate Teaching Specialist**, *Intro to Thermodynamics,* Ithaca, NY**Fall 20xx**

* Provided teaching assistance to 30 undergraduates; nominated to position by faculty based on course performance

**Alternative Break Challenge Group Leader,** *Habitat for Humanity,* Storrs, CT **March 20xx**

* Led a team of 7, with one co-leader, in the demolishing and rebuilding of a 1,400-sq. ft. home for a family in need

**ACTIVITIES/INTERESTS**

Society of Women Engineers: organized weekly meetings; conducted outreach to employers for on-campus recruiting program

violin; soccer; camping; horseback riding; baseball cards collector