Andrew S. Culkin

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Experience:

Ernst & Young – New York, NY: Technology Risk Consultant (August 2017 – Present)
Client: Spin-off Life Insurance Company – Charlotte, NC
- Established a program to assess the clients continually developing IT Risk and Control environment
- Conducted an enterprise wide IT Risk Assessment for the client on a quarterly basis
- Developed business requirements documentation for a module in OpenPages, the clients Enterprise Governance, Risk, and Compliance eGRC solution
- Managed the development, testing and implementation of the IT risk assessment module within OpenPages

Client: Fortune 500 Financial Services Company – New York, NY
- Collaborated with the client's technology team to develop business requirements for an inventory tool to store, track, and report on third-party contracts
- Worked with multiple bank functions to create a list of relevant data attributes for the third-party inventory tool to support the strategic objectives of the tool
- Assembled a list of third party categories for the third-party inventory tool based on general ledger data
- Created and maintained the dynamic engagement budget which contained several predictive metrics of engagement profitability

ECA Solar – Marlborough, MA: Engineering Associate (January 2017 – August 2017)
- Engineered several PV electrical systems including inverter sizing, PV string layouts, and connection to the grid
- Designed several commercial scale roof-top solar systems in compliance with applicable state building regulations
- Developed a macro enabled excel tool to automatically calculate the ideal inverters given the number of panels
- Analyzed cash flow models for several large-scale roof-top solar projects

Ingersoll Rand – Minneapolis, MN: Enterprise Internship Program (June 2015 – August 2015)
- Established a standard procedure to tear down and analyze returning field test units
- Managed the shipment, testing and analysis of newly redesigned condenser coils
- Created the hardware documentation for feasibility testing of year-end improvements to refrigeration units
- Ensured uninterrupted operation of a production plant by delivering parts in-person to Puerto Rico

Education:

Lehigh University – Bethlehem, PA: *Class of 2016*
- Integrated Business and Engineering (IBE) honors program – Dual Degree
    - B.S. Mechanical Engineering – Energy Engineering Minor
    - B.S. Integrated Business & Engineering – Financial Mathematics Concentration

Fullstack Academy of Code - New York, NY: *June - July 2019*
- Fullstack web-development immersive program

Technical Skills:

- Front-end web development: Javascript, HTML, CSS, React, Redux - proficient
- Back-end web development: Express, SQL, database management ORM - proficient
- Microsoft Excel: Advanced VBA Macro programing, Solver, Financial modeling etc. - proficient
- CAD software: Solidworks, Archi-CAD, Autodesk, Catia V5, Creo 2.0 and NX-IDEAS - proficient
- Tableau: Creating and developing dynamic, customer facing dashboards - knowledgeable
- Adobe Creative Suite – After Effects, Premier Pro, Photoshop - knowledgeable
- Basic training with Six Sigma & Design of Experiments - basic

Certifications:

- Certified Information Risk and Systems Certification (CRISC) - 2019
- Fundamentals of Engineering (FE) Mechanical Engineering – 2017
- A+ Certification: IT Technician (CompTIA certification) – 2010
- Eagle Scout: Boy Scouts of America – 2011