

# CATRINA KOCH

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PHONE

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## EXPERIENCE

Lubowitz-McGlynn -> 08/2020 – present

**BOSTON, MA /// ELECTRICAL ENGINEERING**

- Experience in embedded systems design, with a specialty in analog and RF design
- Experience in L-band RF circuit design
- Experience in design, debug, and test of Radio Frequency (RF) and Analog Circuits (power amplifier, low-noise amplifier and filter design)
- Familiar with common RF/EM/antenna simulation platforms such as ADS, Microwave Office, HFSS
- Proficient with major types of RF test equipment (Network Analyzers, Spectrum Analyzers)
- Experience with DO-160 environmental/EMI qualification, and TSO approval processes

Beahan LLC -> 04/2016 – 05/2020

**BOSTON, MA /// ELECTRICAL ENGINEERING**

- Familiarity with avionics design and certifications standards for commercial air transport applications
- Familiarity with TCAS/Transponder product design
- Experience with JAMA/JAMA/SVN
- Exposure working with embedded processors and FPGAs
- Familiarity with software designed radios design
- Experience with signal processing system simulation & analysis tools
- Good knowledge of Bulk Capacitor Characterization and Simulation (ESR, ESL, Thermal, DC offset impact, inrush current)



## EDUCATION

Fashion Institute of Technology /// Bachelor's in Electrical Engineering



## SKILLS

- P.Eng registration with PEO will be an asset
- Working knowledge of North American codes and standards such as CSA, NEC, IEEE, Reg 22/04
- Experience on MathCAD, ASPEN or ETAP software, SpiderCalc, Cable Pull planner 3000 is an asset
- Experience with distribution utilities is an asset
- Develop electrical substation facilities layout drawings including plot plans for outdoor substation equipment
- Develop Switchgear room and Control room layout drawings for substation projects
- Develop underground cable routing conduit and trench plan layout and sections for distribution network