Liang Li

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Summary

Apply for entry-level full-time job in RF design/Signal integrity related area. 2-3 years' experience in RF field with good problem solving skills. Self-motivated, adaptable to new knowledge and techniques.

Education

Missouri University of Science and Technology (Formerly University of Missouri – Rolla) Aug. 2013 – Present
M.S. Electrical and Computer Engineering, GPA 4.0/4.0, advisor: Prof. Jun Fan

Huazhong University of Science and Technology (Top 10 in China) Sep. 2009 – May. 2013
B.S. Electrical and Computer Engineering, GPA 3.8/4.0, ranking 2/20(Honor class)

Experience

Signal Integrity Engineer Intern—Cisco System, San Jose, CA May. 2015 – Present
Characterizing SerDes up to 56GHz with different TX/channel properties
Analyzing Pinfield breakout up to 40GHz by simulation

Research Assistant—EMClab, ECE department, Missouri S&T

- **RF Interference Analysis for Cellphone(Samsung, Microsoft Mobile)** Aug. 2013 – Present
  Developing a near-field scanning based method for RF noise coupling estimation
  Estimating coupled power from IC, SMPS and LCD connects to victim antenna for real design
- **Near-field to Far-field Transformation(Huawei)** Sep. 2013 – Nov. 2014
  Developing near-field to far-field transformation method by noise source modelling
  Predicting EMC chamber measurement by near-field scanning for a clock module PCB
- **IC Emission Test in Near/Far Field(Amkor)** Nov. 2014 – Jan. 2015
- **Flexible PCB Design with Meshed GND Plane(Samsung)** Feb. 2015 – Present
  Characterizing Z0 and crosstalk coefficient for single/differential stripline
  Developing a design methodology/tool for flexible PCB with meshed ground

Honors/Awards

Best student paper award in 2015 EMC&SI symposium, Santa Clara, CA Mar. 2015
Full fellowship as research assistant in EMC laboratory, MST Sep. 2013
National undergraduate innovative training program funding, Ministry of education, P.R. China
National scholarship for encouragement, Ministry of education, P.R. China
National student stipend, Ministry of education, P.R. China
Outstanding academic performance scholarship
3rd prize in Huazhong cup of mathematical modeling competition

Certifications

National Computer Rank Examination Certificate, Grade 2 (C Language) and Grade 4 (Network Engineer), P.R. China
National Qualification Certificate of Computer and Software Technology Proficiency (Network Engineer), P.R. China

Publications

- "Near-field Coupling Estimation by Source Reconstruction and Huygens's Equivalence Principle"
  Accepted to be published on 2015 IEEE symposium on EMC & SI. **Best student paper award**
- "Measurement Validation for Radio-Frequency Interference Estimation by Reciprocity Theorem", accepted to be published on International Symposium on EMC in Germany 2015
- "Radio-Frequency Interference Estimation by Reciprocity Theorem with Noise Source Characterized by Huygens's Equivalent Source", ready to be submitted

Related Classes

Signal Integrity and high speed circuit design	VLSI Design	Antenna analysis and design
Advanced RF measurement/design	Regression Analysis	Computational Electromagnetics

Skills

Equipment:	VNA, Spectrum Analyzer, TDR, Oscilloscope, Probing Station
Software:	HFSS/Q3D, QCD, CST MWS, ADS, EMCstudio, Cadence Allegro/Virtuoso
Programming:	Proficient in Python (favorite), C, C++, Matlab; Familiar with Verilog, VB, R, Flash Actionscript