

List of Projects for VEF Internship Program

No	Project	Requirements
1	Modeling and simulation for signal integrity	<ul style="list-style-type: none"> - Modeling hi-speed I/O's, PCB interconnects, chip package, and connectors - Generating and maintaining simulation decks and models - Participating in simulation plan and development, and scheduling - HyperLynx, HSPICE, PCB SI, Power SI
2	RF & Antenna design	<ul style="list-style-type: none"> - Designing and documenting RF & Antenna solutions in wireless terminal devices - Analyzing RF & Antenna technologies and selecting the optimal design for projects - Assisting/cooperating with R&D team to optimize the RF & Antenna developing process
3	Switching power transformer design	<ul style="list-style-type: none"> - Designing power transformer for switching system - PowerEsim
4	Design of distributed power supply systems controlled by DSP for high-efficient telecom product	<ul style="list-style-type: none"> - Knowledge of solutions for distributed power supply systems - Experience in DSP for power supply control
5	Voice encoding for smartphone	<ul style="list-style-type: none"> - Developing algorithms for low-latency low-data-rate voice encoding - Implementing the algorithms in smartphone platform
6	Near-field communications (NFC) integration for smartphone	<ul style="list-style-type: none"> - Reviewing NFC solutions in both hardware and software for smartphone - Developing integration schemes - Knowledge of RFID
7	Android optimization and customization	<ul style="list-style-type: none"> - Customizing Android platform for Viettel network - Optimizing to meet requirements of projects
8	Analog wireless module/IC design	<ul style="list-style-type: none"> - Designing wireless module/IC used in telecom industry - At least 1 journal with IF ≥ 1 or 2-year experience - Experience in digital back-end/layout - Experience in Cadance