Qualcomm, San Diego, CA

Job Title: Systems Engineering Internships @ Qualcomm (Summer 2016)

Job Id: T1937503

Company: Qualcomm Technologies, Inc. - CDMA Technology

Division: Corporate Research & Development

Job Area: Engineering - Systems

Location: California - San Diego

Overview:

In study towards a Master's or PhD degree in Electrical Engineering or Computer Engineering. Must be available for at least 3 months. (May-Sept 2016). Coursework or project experience in communication theory, signal processing, error correcting codes, information theory, probability and random processes, digital communications, DSP.

Headquartered in San Diego, Qualcomm develops, manufactures, markets, licenses, and operates advanced 4G & 3G communications systems and products based on its proprietary digital wireless technologies. To ensure that the entire wireless industry is inspired and continues to evolve, innovate and experience success, Qualcomm develops its technologies and solutions for the purpose of enabling key participants in the wireless value chain.

As a QUALCOMM systems engineering intern with an advanced degree in electrical or computer engineering, you will work on CDMA ASICs (Application Specific Integrated Circuits) and architect, analyze and simulate cutting-edge, next-generation wireless networks. You will also characterize and improve the performance of networks for voice, packet data, video telephony and video streaming services while identifying functionality for which minimum performance requirements should exist. You may also generate and consolidate performance requirements data and conduct analysis and evaluation of critical performance metrics for 4G and 3G wireless platforms.

Roles:
- Wireless Modem ASIC Systems
- Physical Layer Systems Design
- Audio/Video/Graphics Multimedia
- MAC Layer Systems Design
- Digital Signal Processing
- OFDM Development

Relevant Skills:
- Knowledge of radio communication theory and digital signal processing as well solid background in cellular communication systems across layers.
- Knowledge and/or experience in MIMO, OFDM, CDMA.
- Ability to program effectively in C/C++, Perl and Matlab.
- Experience with wireless standards (GSM, WCDMA, IS-95, IS-2000, 1xEVDO, Bluetooth, WLAN, etc.)
Intern Benefits:
- Full relocation services (travel, shipping)
- Housing (Pre-selected, fully furnished, 2-bedroom luxury apartment, including utilities & maid service)
- Transportation Allowance (if applicable)
- Great Pay
- Intern Program Exp. (Local trips, Executive Speaker Series, networking/learning, mentorship, surf lessons)

Apply on-line at: https://jobs.qualcomm.com/public/jobDetails.xhtml?requisitionId=1937503