



Spreadtrum Communications, a promising pre-IPO company, was founded in 2001 by a group of successful entrepreneurs. It is now a leading fabless semiconductor company developing and marketing innovative digital wireless communications products. The company provides 2G/2.5G and 3G baseband chipsets, protocol stack software and application software, total solution for wireless equipment manufacturers, mobile terminal vendors and semiconductor companies. Spreadtrum Communications is currently experiencing high-speed growth in both its revenue and size, and this rapid growth is becoming a legend among Silicon Valley start-ups. Spreadtrum Communications is expanding its Silicon Valley core R&D center and we sincerely invite you, the most talented minds, to share our dream and success.

We offer competitive compensation package (stock option, medical, dental & life insurance, FSA with employer contribution, 401k, holidays, vacations, etc.).

**Job Title: Sr. Communication System Engineer**  
**Job Location: Sunnyvale, California**  
**Position Type: Full-Time Employee**

**Responsibilities:**

Be responsible for communication system modeling, performance simulation and algorithm design for WCDMA/HSDPA and OFDM based wireless systems.

**Requirements:**

- Solid background as a system engineer/chip architecture for wireless communication systems of WCDMA/HSDPA, DAB/DVB-H, IEEE802.11a/g, etc.
- Good knowledge of channel estimation, convolutional coding/decoding, Turbo coding/decoding, Reed-Solomon coding/decoding, LDPC decoding, QPSK/16QAM/64QAM modulation/demodulation.
- Good knowledge and design experience on system algorithm development such as time tracking, AFC, AGC, frequency offset estimation, timing and frequency synchronization for OFDM systems, etc.
- Ability to perform system analysis and simulation using Matlab or C.
- Ph.D. degree with at least 1 years working experience in wireless system design.
- Self-motivated and good team player.
- International travels may be expected.

**We are an Equal Opportunity Employer.**

Please submit your resume to [hr@spreadtrum.com](mailto:hr@spreadtrum.com) with job title.

Please check out our website for additional jobs and information:

[www.spreadtrum.com](http://www.spreadtrum.com)

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