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Boon Loong Ng  · 3rd

Senior Research Director at Samsung Research America - Dallas

Plano, Texas, United States · [Contact info](#)

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Samsung Research America - Dallas



University of Melbourne

About

Wireless technologies R&D - 5G, Wi-Fi, UWB

Activity

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Experience



Samsung Research America - Dallas

10 yrs 8 mos

- **Senior Research Director**

Full-time

Mar 2021 - Present · 3 yrs 4 mos

Plano, Texas, United States

Team lead - R&D on 5G, Wi-Fi, UWB technologies.

- **Research Director**

Full-time

Mar 2018 - Mar 2021 · 3 yrs 1 mo

Dallas/Fort Worth Area

ASUS EX2051-p.1
Samsung v. ASUS
IPR2024-00614

Team lead - R&D on 5G, Wi-Fi, UWB technologies.

- **Senior Staff Research Engineer**

Mar 2015 - Feb 2018 · 3 yrs

Dallas/Fort Worth Area

Team lead - R&D on 5G PHY and MAC layers.

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Samsung Telecommunications America

3 yrs 1 mo

Dallas/Fort Worth Area

- **Staff Standards Engineer**

Mar 2013 - Nov 2013 · 9 mos

Researcher - RAN L1/L2 for LTE Advanced.

- **Senior Standards Engineer**

Nov 2010 - Feb 2013 · 2 yrs 4 mos

Researcher - RAN L1/L2 for LTE Advanced.



System Design Engineer

NEC Australia

Jan 2007 - Oct 2010 · 3 yrs 10 mos

Melbourne, Australia

Researcher - E-UTRA (LTE and LTE-Advanced) PHY layer.

Developed digital baseband prototype for next generation mobile phone system – E-UTRA LTE. ... [...see more](#)



Software Engineer

VPIsystems IncMel

May 2002 - Nov 2002 · 7 mos

Melbourne, Australia

Education



University of Melbourne

Ph.D., Wireless Telecommunication

2003 - 2007

Activities and societies: The University of Melbourne IEEE Student Branch

PhD dissertation entitled "Cellular Networks with Cooperating Base Station: Performance Analysis and Distributed Algorithms".



University of Melbourne

Bachelor of Engineering, Electrical and Electronic

1998 - 2001

Skills

ASUS EX2051-p.2
Samsung v. ASUS
IPR2024-00614

3GPP



Endorsed by chunli wu and 9 others who are highly skilled at this



Endorsed by 11 colleagues at Samsung Electronics



43 endorsements

LTE



Endorsed by Robert Love and 12 others who are highly skilled at this



Endorsed by 8 colleagues at Samsung Electronics



44 endorsements

Show all 20 skills →

Recommendations

Received

Given

Nothing to see for now

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Publications

Full Dimension MIMO (FD-MIMO) for Next Generation Cellular Technology

IEEE Communications Magazine · Jun 1, 2013

Show publication ↗

Top 6 most frequently downloaded paper among the IEEE Comm. Mag. papers from IEEExplore.com in June 2013

Other authors



Languages

Chinese

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ASUS EX2051-p.3
Samsung v. ASUS
IPR2024-00614



Oprah Winfrey

CEO, Producer, Publisher, Actress and Innovator
1,275,663 followers

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Melinda French Gates

Founder of Pivotal. Co-founder of the Gates Foundation. Author of The Moment of Lift.
6,600,148 followers

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