Christopher Slezak

14 Oak Ridge RD,
Basking Ridge, NJ 07920

Phone: (908) 229 0207
Email : cslezak14@gmail.com

Education

New York University, Tandon School of Engineering — Brooklyn, NY
PhD Candidate, Electrical and Computer Engineering — September 2014 – Present

- Advised by Professor Sundeep Rangan
- Cumulative GPA: 3.89
- Relevant coursework includes Digital Signal Processing, Stochastic Processes, Information Theory, Wireless Communications, Optimization, and Algorithms

Rutgers, The State University of New Jersey — New Brunswick, NJ
Bachelor of Science in Electrical and Computer Engineering — September 2010 – May 2014

- Cumulative GPA : 3.93
- Graduated *Summa Cum Laude*
- Minor in Mathematics

Research Experience

NYU WIRELESS — August 2014 – Present

- Research focuses on dynamic channel measurements for millimeter wave
- Built a 60 GHz channel measurement system using phased antenna arrays
- Developed analysis technique for measurement data using low-rank tensor decomposition

Professional Experience

Griffiss Institute — Rome, NY
Summer Intern, US Air Force Research Laboratory — July 2019 – August 2019

- Conducted experiments for next-generation wireless communications

Interdigital — Conshohocken, PA
Intern, Labs — May 2018 – November 2018

- Developed simulation software for 5G NR physical layer processing
- Studied effects of beamforming on mmWave propagation

Samsung Research America — Richardson, TX
Summer Intern, Standards and 5G Mobility — May 2017 – August 2017

- Studied feasibility of 802.11ad for very long distance links
- Developed cross-layer simulation tools for millimeter wave networks using the ns-3 network simulator

LGS Innovations — Florham Park, NJ
Summer Intern, Applied Research and Technology Division — June 2015 – August 2015

- Implemented an efficient rational resampler in C++
- Used OpenCL GPU acceleration to achieve a substantial performance increase

Selected Publications

1. C. Slezak et al., "Empirical effects of dynamic human-body blockage in 60 GHz communications," in *IEEE Communications Magazine*, vol. 56, no. 12, pp. 60-66 Dec. 2018.
2. C. Slezak, A.Dhananjay, and S. Rangan, "60 GHz blockage study using phased arrays," in *Proc.* 51^{st} *Asilomar Conf. on Signals Systems, and Computers*, Oct. 2017.
3. S. Deng, C. Slezak, G.R. MacCartney Jr, and T.S. Rappaport, "Small wavelengthsbig potential: millimeter wave propagation measurements for 5G" *Microwave Journal*, vol. 57, no. 11, pp. 412, Sep. 2014