Ryan Brummet

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SUMMARY

Computer Science Ph.D candidate at the University of Iowa

COMPUTER SKILLS

Languages
- Proficient in: Java / Android
- Experience with: Python, C, and C++

Software
- Programs/Tools: MATLAB, WEKA, openSMILE, LIBSVM/LIBLINEAR, LaTeX, EMANE, and OpNet
- Platforms: Mac OS X and Linux

WORK EXPERIENCE

Research Assistant   8/13-8/15, 8/17-present

University of Iowa
- Created a novel TDMA scheduling approach allowing dynamic retransmission allocation at runtime
- Designed and developed novel CS-EMA systems using Android
- Developed new audiological analysis techniques as part of cross disciplinary research

Intern   5/16-8/16, 5/17-8/17

Rockwell Collins
- Worked to develop and implement anti-jam GNSS related algorithms
- Helped develop and design the foundation of a next-gen comm system

Teaching Assistant   8/15-5/17

University of Iowa
- Assisted students with OS related C programs and introductory python coding

SELECTED PUBLICATIONS

- Brummet, R., Chipara, O., & Lu, C. "Flexible Retransmission Scheduling For Industrial Wireless Sensor Actuator Networks," in IEEE Conference on Computer Communications (INFOCOM 2018), 2018. (pending)
- Hasan, S.S., Brummet, Ryan, Chipara, O., Wu, Y.H., & Yang T. "In-situ Measurement and Prediction of Hearing Aid Outcomes Using Mobile Phones," in International Workshop on Smart and Connected Health, 2015.

EDUCATION

University of Iowa   8/13-present

Iowa City, Iowa
- Ph.D: (pending)

Augustana College   8/09-5/13

Rock Island, IL
- BA cum laude: Mathematics, Applied Mathematics, and Computer Science