

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
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WORK EXPERIENCE

Teaching Assistant

8/15-present

University of Iowa

- Assisted students with OS related C programs and python coding

Intern

5/16-8/16

Rockwell Collins

- Helped develop and design the foundation of a next-gen comm management sys
- Implemented O-CSMA as an OpNet model by modifying 802.11

Research Assistant

8/13-8/15

University of Iowa

- Designed and developed novel CS-EMA systems using Android
 - Applied machine learning techniques to predict hearing aid performance
 - Introduced new analysis techniques to audiologists as part of cross disciplinary research
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SELECTED PUBLICATIONS

- 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. (accepted 8/15)
 - Wu, Y.H., Ho, H.C., Hsiao, S.H., Brummet, R., & Chipara, O. "Predicting 3-month and 12-month Post-Fitting Real-World Hearing Aid Outcome using Prefitting Acceptable Noise Level (ANL)," in International Journal of Audiology, 2015. (submitted 7/15)
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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