

# Jack Deadman, MComp

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## Employment History

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2018 – Present    📌 **Graduate Teaching Assistant**, Department of Computer Science, University of Sheffield.

- Assist in teaching undergraduate lab sessions.
- Invigilate assessments.
- Grade undergraduate assignments.

Summer 2017    📌 **Research Intern**, Testing and Security Research Group, Department of Computer Science, University of Sheffield.

- Worked in the Testing and Security research group under the supervision of Dr. Achim Brucker developing analysis tools to detect malicious browser extensions.
- Deployed the software on around 60,000 browser extensions using the University's high performance computing facility.

Summer 2016    📌 **Software Engineer Intern**, VisualWind

- Worked as part of a small team of people to produce visualisation software for wind turbines.
- Produced a proof of concept application which successfully aided a joint venture secure funding.

## Education

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2018 – Present    📌 **Ph.D., University of Sheffield.**  
Thesis title: *Using Video Information to Improve Automatic Speech Recognition in the Distant Microphone Scenario.*

- Under the supervision of Prof. Jon Barker my research involves investigating ways in which video information can be used to improve speech enhancement and automatic speech recognition. In particular, I have an interest in multi-channel speech enhancement for distant speech recognition.

2014 – 2018    📌 **MComp. Computer Science, University of Sheffield.**  
Thesis title: *Sound Event Detection in Real Life Audio.*

## Research Publications

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- 1 **Deadman, J., & Barker, J. (2020).** Simulating realistically-spatialised simultaneous speech using video-driven speaker detection and the CHiME-5 dataset, In *Proceedings of the 21st annual conference of the international speech communication association (INTERSPEECH 2020).*

## Skills

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- Programming    **▀** Python, Java, Ruby, Bash, MATLAB,  $\LaTeX$
- Web Dev       **▀** HTML, css, JavaScript, Node, React, Svelte, Rails.
- Misc.         **▀** Teaching, presenting.

## Miscellaneous Experience

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### Awards and Achievements

- 2018    **▀** **EPSRC Scholarship**, Full-fee and bursary scholarship.
- ▀** **Mappin Medal, University of Sheffield**, Department prize for academic performance.
  
- 2017    **▀** **EPSRC Summer Research Scholarship**, Stipend for a 11 week summer project.
  
- ▀** **Highly Commended paper in Computer Sciences, Undergraduate Awards**, awarded for exceptional undergraduate coursework.

## References

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Available on Request