Ragav Sachdeva

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Education

Doctor of Philosophy (PhD/DPhil)   Oct 2021 – Present
University of Oxford, United Kingdom
- Supervised by Prof. Andrew Zisserman

Bachelor of Computer Science (Advanced)   Feb 2017 – Jun 2021
  and Honours Degree of Bachelor of Computer Science
University of Adelaide, Australia
- GPA: 6.96/7 (Bachelor) + 7.0/7.0 (Honours)
- Valedictorian

Recent Publications

The Manga Whisperer: Automatically Generating Transcriptions for Comics   CVPR 2024
Ragav Sachdeva and Andrew Zisserman
TLDR: Given a high resolution manga page as input, our model can (i) detect panels, characters, text blocks, (ii) cluster characters (iii) match dialogues to their speakers, (iv) perform OCR, (v) generate a transcript of who said what and in what order.

The Change You Want to See (Now in 3D)   ICCVW 2023
Ragav Sachdeva and Andrew Zisserman
TLDR: Open-set change detection in wide baseline RGB images of 3D scenes.

The Change You Want to See   WACV 2023
Ragav Sachdeva and Andrew Zisserman
TLDR: Open-set change detection in wide baseline RGB images of planar scenes.

Work Experience

Software Engineering Intern, Google   Dec 2019 – Feb 2020
Sydney, Australia
Designed and implemented a refinement type system that supports static type checking to enable automated prediction and protection against runtime errors in core system services.

Software Engineering Intern, Microsoft   Aug 2019 – Nov 2019
Redmond, United States
Ported Go (lang) to Windows/Arm64.

Software Engineering Intern, Google   Nov 2018 – Feb 2019
Sydney, Australia
Enabled Cameos iOS-app to function offline by providing support to cache client data when server is unreachable, and handle client-server data consistency and conflict resolution.

Teaching Assistant, University of Adelaide   Feb 2018 - Jun 2021
Adelaide, Australia
Tutored several courses at the university: Algorithm & Data Structure Analysis, Grand Challenges in Computer Science, Problem Solving and Software Development, and Puzzle Based Learning.

Honourable Mention

Project Lead, NASA Space Robotics Challenge Phase 2 (SRCP2)   Feb 2021 – Aug 2021
Adelaide, Australia
Lead a team of 40+ members to develop a solution to SRCP2. Won $75,000 USD and an innovation award.