RESUME - William John Meakin

CONTACT DETAILS

Name: **William John Meakin**
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EDUCATION

2016. Bachelor of Software Engineering (Honours), First Class, 6.62 GPA
~ The University of South Australia
- Technology Proficiencies:
  - Linux / Windows / Mac
  - Java / C++ / Python 3
- Web (HTML, CSS, SQL, Javascript, dynamic frameworks)
- Git
- Mobile development (Android / iOS)
- .NET
- Amazon Web Services

2016. Industry Placement
~ Minelab Electronics
- Optimising computer vision algorithms via parallel processing
- Technologies used:
  - OpenCV
  - NVIDIA embedded GPUs - CUDA, Tegra K1 (Jetson series)
  - Working effectively and efficiently on various novel technical problems
  - Working in a professional environment, both independently and in a team

2011 - 2012. South Australian Certificate of Education
~ Thebarton Senior College
- ATAR result: 91.75 (natural), 99.65 (bonus points applied)

EMPLOYMENT

2021-current. Laboratory Supervisor / Tutor
~ The University of South Australia
- *Information Technology Fundamentals*
- *AnDe College Programming Fundamentals*
- *Cloud and Concurrent Programming*
- *Agile Development and Governance*
- *Project Studio*

2020. Staff Cadet *~ Royal Military College Duntroon*

2018-2019. Laboratory Supervisor / Tutor
~ The University of South Australia
- *Concurrent Programming*
- *Cloud Programming*
- *Programming Fundamentals*
- Facilitating effective learning by:
    - Interpreting and responding to technical questions
    - Ensuring conceptual understanding
    - Doing so in a fast paced environment
- Grading student work, requiring detail oriented consideration
- Management / administration (organising students, clarifying course details, etc.)

2017-2018. Computer Science Research Assistant
~ The University of South Australia
- Implementing omnidirectional camera calibration algorithms
- Calibrating confidence of object detection CNNs
- Building, training, and using Neural Networks for facial expression recognition
- Technologies used:
    - Tensorflow Object Detection API
    - UnrealCV (Virtual Scenes)
    - NumPy, SciPy
    - MatLab
    - Keras
    - Deep / Wide Residual Networks
    - Software analysis and integration
    - Writing technical reports/documentation for team collaboration

PUBLICATIONS

V. Stamatescu et al., 'Automatic Ground Truths: Projected Image Annotations for Omnidirectional Vision', in 2017 International Conference on Digital Image Computing: Techniques and Applications (DICTA), Sydney, NSW, Nov. 2017, pp. 1–8. doi: 10.1109/DICTA.2017.8227409. Available: https://arxiv.org/pdf/1709.03697.pdf

AWARDS AND RECOGNITIONS

Member of ~ *Golden Key International Honour Society*

2016. George H B Haskard Prize - BAE Systems
- Awarded to the student with the most outstanding project at undergraduate or postgraduate program work level.

2015, 2016. Chancellor's Letters of Commendation - *University of South Australia*
- Division of Information Technology, Engineering and the Environment
- Top 5% of students in Division

2014. Outstanding Work Award ~ *University of South Australia*
- INFS 2035 Systems Analysis, Design and Project Management course

2013, 2014. Merit Awards ~ *University of South Australia*
- Division of Information Technology, Engineering and the Environment
- Top 15% of students in Division

2013. Study Support Grant - *University of South Australia*
- Selected on the basis of the Aspire bonus point scheme and academic merit.

2011/2012. 6 SACE Stage 1 Outstanding Achievement Awards ~ *Thebarton Senior College*

VOLUNTEERING

2013-2019. Assistant Karate Instructor ~ *Bushido Martial Arts*
- Structuring and running karate classes
- Teaching children and adults techniques and exercises.
- Assisting senior instructors
- Managing assistant instructors

2016. Orientation Day Volunteer ~ *University of South Australia - Mawson Lakes*

2015. Development of "Introduction to Programming" seminar
~ *Unley Libraries Digital Literacy Reboot Program*
- Developed beginner Python programming seminar structure and content
- Active group work consisting of:
- Cooperative content idea generation.
- Interpreting and responding to constructive criticism for content refinement
- Offering constructive criticism on other seminars in development.

REFERENCES

Assoc. Prof. Stewart Von Itzstein
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