

Ashton Fagg

Computer Vision Engineer

about

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USA
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<http://www.fagg.id.au>
<http://github.com/fagg>

programming

C++, Python, C,
MATLAB

platforms

Linux, Unix, iOS

tools

Eigen, OpenCV, Torch,
Armadillo, git
vim, clang, CUDA,
Docker, Phabricator,
arcanist

interests

I am interested in computer vision and image-space tracking for low-power embedded devices, specifically targeted for real-time, safety critical systems.

education

2013-2017 **Ph.D. in Computer Vision** Queensland University of Technology
Advisers: Simon Lucey (CMU), Sridha Sridharan (QUT)

Australian Postgraduate Award (APA) Scholarship (2013-2016)
CSIRO APA Top-Up Scholarship, (2013-2016)
Degree conferred 2018

2009-2012 **B.Eng (1st class honors)** University of Southern Queensland
Computer Systems Engineering
Primary focuses: Software engineering, signal processing
Thesis Title: *"An Intelligent Vision System for Wildlife Monitoring"*
GPA: 6.5/7.0

Best thesis in DSP Award (2012)
Best speaker prize - final year project conference (2012)
Vice Chancellor's Scholar Award (2012)
USQ Engineering Scholarship (2009, 2010)

employment

since 9/2017 **Uber ATG**
Autonomy Engineer 2 (Perception). Computer vision and sensor fusion for self driving vehicles.

internships

2016-2017 **Carnegie Mellon University**
Research Intern at the Robotics Institute.

2011-2012 **CSIRO**
Completed an internship at CSIRO. Developed a vision system for monitoring wildlife for my final year engineering project.

publications

"Need for Speed: A Benchmark for High Frame Rate Object Tracking", Kiani, H., **Fagg, A.**, Ramanan, D., Lucey, S., ICCV 2017

"Learning Background Aware Correlation Filters for Visual Tracking", Kiani, H., **Fagg, A.**, Lucey, S., ICCV 2017

"Fast, Dense Feature SDM on an iPhone", **Fagg, A.**, Lucey, S., Sridharan, S., 2017 IEEE Conference on Automatic Face and Gesture Recognition

"Unsupervised Temporal Ensemble Alignment for Rapid Annotation", **Fagg, A.**, Sridharan, S., Lucey, S., ACCV 2014 Workshop on Human Gait and Action Analysis

references

Upon request.