TRAVIS PORTZ

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EMPLOYMENT

Senior Software Engineer **Oracle** **March 2016 – Present**

› Building distributed systems for the Oracle Public Cloud

Software Development Engineer **Amazon.com** **January 2013 – February 2016**

› Shipped Amazon Maps app and API for the Fire Phone and Fire Tablets
› Lead developer on Android routing and navigation API used in Amazon Flex app for local delivery
› Made significant performance and stability improvements to real-time map rendering engine

Research Assistant **University of Wisconsin-Madison** **June 2010 – January 2013**

› Developed image/video processing and computer vision algorithms
› Published papers in top level computer vision conferences and filed a patent through the university

Undergraduate Research Assistant **IMPACT Mobile Computing Lab** **September 2009 – May 2010**

› Implemented remote sensor network functionality

Undergraduate Research Assistant **UBM at ASU** **September 2008 – September 2009**

› Developed mathematical models of androgen deprivation therapy for prostate cancer

EDUCATION

M.S., Electrical Engineering **University of Wisconsin-Madison** **June 2010 – December 2012**

› Focus area: Signal Processing
› Advised by Professor Hongrui Jiang (electrical engineering) and Professor Li Zhang (computer science)

B.S.E., Computer Systems Engineering **Arizona State University** **August 2006 – May 2010**

› Mathematics minor
› Overall GPA: 4.0

PUBLICATIONS

Travis Portz, Li Zhang, Hongrui Jiang. ***Random Coded Sampling for High-Speed HDR Video***. International Conference on Computational Photography (ICCP), Cambridge, MA. March 2013.

Travis Portz, Li Zhang, Hongrui Jiang. ***Optical Flow in the Presence of Spatially-Varying Motion Blur***. International Conference on Computer Vision and Pattern Recognition (CVPR), Providence, RI. June 2012.

Travis Portz, Li Zhang, Hongrui Jiang. ***High-quality Video Denoising for Motion-based Exposure Control***. International Workshop on Mobile Vision (IWMV), Barcelona, Spain. November 2011.

Travis Portz, Yang Kuang, John D. Nagy. ***A clinical data validated mathematical model of prostate cancer growth under intermittent androgen suppression therapy***. AIP Advances, Special Topic on Physics of Cancer, March 2012.

HONORS

NSF Graduate Research Fellowship Honorable Mention, Spring 2012

Wisconsin Distinguished Graduate Fellowship, University of Wisconsin-Madison, Fall 2010 – Summer 2011

Barrett Honors College graduate, Arizona State University, May 2010

Moeur Award, Arizona State University, May 2010

National Merit Finalist, DeForest Area High School, Spring 2006

ORGANIZATIONS

Chief Technical Officer of **The Triple Helix**, an undergraduate journal, Fall 2007 – Fall 2009

Member of **Tau Beta Pi**, the engineering honor society, Spring 2008 – Present