Jason R. **Parham**

PH.D. STUDENT · COMPUTER VISION

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Education

Rensselaer Polytechnic Institute
Troy, NY

DOCTOR OF PHILOSOPHY · COMPUTER SCIENCE · COMPUTER VISION
Aug 2012 - PRESENT

- Advised by Dr. Charles V. Stewart, Computer Science Department Chair
- Anticipated Graduation: May 2018
- Cumulative GPA: 4.0

Rensselaer Polytechnic Institute
Troy, NY

MASTER OF SCIENCE · COMPUTER SCIENCE · COMPUTER VISION
Aug 2012 - Dec 2015

- Master's Thesis: "Photographic Censusing of Zebra and Giraffe in the Nairobi National Park"

Pepperdine University
Malibu, CA

BACHELOR OF SCIENCE · COMPUTER SCIENCE / MATHEMATICS
Aug 2008 - May 2012

Experience

Rensselaer Polytechnic Insitute
Troy, NY

GRADUATE RESEARCH ASSISTANT
Aug 2014 - PRESENT

- TODO.

Rensselaer Polytechnic Insitute
Troy, NY

GRADUATE TEACHING ASSISTANT
Aug 2012 - PRESENT

- Head administrative TA for Computer Science I and Computer Vision, lab instructor, and office hour proctoring
- Managed up to 11 TAs, automated grading and distribution system for classes up to 670 students

Kitware
Clifton Park, NY

COMPUTER VISION RESEARCH INTERN
May 2015 - PRESENT

- TODO.

Self-Employed
Cohoes, NY

FULL STACK WEB DEVELOPER
Aug 2012 - PRESENT

- TODO.

Projects

Wildbook (IBEIS) Image Analysis Computer Vision System
Python / C / C++ / SQLite
Lasagne / Theano / CUDA

GITHUB.COM/WILDBOOKORG/IBEIS
Aug 2013 - PRESENT

- TODO.

Grading Web Application
PHP / HTML / CSS / MySQL
JavaScript / jQuery / AJAX

GITHUB.COM/SUBMITTY/SUBMITTY
Sep 2012 - PRESENT

- TODO.

Intercheck
Python

GITHUB.COM/BLUEMELLOPHONE/INTERCHECK
Feb 2015 - PRESENT

- An automated SpeedTest logger and graphing web interface for monitoring Internet connectivity
- Designed for use on Raspberry Pi 3 (Model B)

Cryptographically Secure E-Voting Protocol
Python

GITHUB.COM/BLUEMELLOPHONE/JDKK-PROTOCOL
Mar 2013 - May 2013

- TODO.

Cryptographically Secure ATM Communication Protocol
C++

GITHUB.COM/BLUEMELLOPHONE/JTM-PROTOCOL
Sep 2012 - Nov 2012

- TODO.

Publications

Animal Population Censusing at Scale with Citizen Science and Photographic Identification

Stanford, CA

AI for Social Good (AISOC) Spring 2017 Symposium

Mar 2017

- Accepted Submission

The Great Grevy's Rally: The Need, Methods, Findings, Implications and Next Steps

Princeton, NJ

Self-published · Princeton University

Sep 2016

Detecting Plains and Grevy's Zebras in the Real World

Lake Placid, NY

IEEE Winter Conference on Applications of Computer Vision (WACV) 2016

Mar 2016

Photographic Censusing of Zebra and Giraffe in the Nairobi National Park

Troy, NY

Master's Thesis · Rensselaer Polytechnic Insitite

Dec 2015

Photographic Censusing of Zebra and Giraffe in the Nairobi National Park

Troy, NY

Self-published · Rensselaer Polytechnic Insitite

Dec 2014

Large Scale Percent-Sorted Decision Randomized Algorithm

Troy, NY

Self-published · Rensselaer Polytechnic Insitite

May 2013

Program Committees

IEEE Winter Conference on Applications of Computer Vision (WACV) 2017

Santa Rosa, CA

WACV Conference Paper Reviewer

Mar 2017

Accepted Graduate Students Peer Reception Committee

Troy, NY

Mentor

Aug 2016

Extracurricular

Clifton Park Church of Christ

Clifton Park, NY

Church Member / Web Administrator

Feb 2013 - PRESENT

- Minister: Charlie Ruff

IEEE

Student Member

Mar 2016 - PRESENT

RPISEC · Rensselaer Polytechnic Institute

Troy, NY

Student Member

Aug 2012 - May 2013

Pi Mu Epsilon · California Xi · Pepperdine University

Malibu, CA

Student Member

Aug 2010 - May 2012

Sigma Phi Epsilon · Cal Psi · Pepperdine University

Malibu, CA

Member / Alumni

Nov 2008 - May 2012