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*