

Jason R. Parham

PH.D. STUDENT · COMPUTER VISION

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Education

Rensselaer Polytechnic Institute

DOCTOR OF PHILOSOPHY · COMPUTER SCIENCE · COMPUTER VISION

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

Troy, NY

Aug 2012 - PRESENT

Rensselaer Polytechnic Institute

MASTER OF SCIENCE · COMPUTER SCIENCE · COMPUTER VISION

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

Troy, NY

Aug 2012 - Dec 2015

Pepperdine University

BACHELOR OF SCIENCE · COMPUTER SCIENCE / MATHEMATICS

Malibu, CA

Aug 2008 - May 2012

Experience

Rensselaer Polytechnic Institute

GRADUATE RESEARCH ASSISTANT

- TODO.

Troy, NY

Aug 2014 - PRESENT

Rensselaer Polytechnic Institute

GRADUATE TEACHING ASSISTANT

- 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

Troy, NY

Aug 2012 - PRESENT

Kitware

COMPUTER VISION RESEARCH INTERN

- TODO.

Clifton Park, NY

May 2015 - PRESENT

Self-Employed

FULL STACK WEB DEVELOPER

- TODO.

Cohoes, NY

Aug 2012 - PRESENT

Projects

Wildbook (IBEIS) Image Analysis Computer Vision System

GITHUB.COM/WILDBOOKORG/IBEIS

- TODO.

Python / C / C++ / SQLite
Lasagne / Theano / CUDA

Aug 2013 - PRESENT

Grading Web Application

GITHUB.COM/SUBMITTY/SUBMITTY

- TODO.

PHP / HTML / CSS / MySQL
JavaScript / jQuery / AJAX

Sep 2012 - PRESENT

Intercheck

GITHUB.COM/BLUEMELLOPHONE/INTERCHECK

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

Python

Feb 2015 - PRESENT

Cryptographically Secure E-Voting Protocol

GITHUB.COM/BLUEMELLOPHONE/JDKK-PROTOCOL

- TODO.

Python

Mar 2013 - May 2013

Cryptographically Secure ATM Communication Protocol

GITHUB.COM/BLUEMELLOPHONE/JTM-PROTOCOL

- TODO.

C++

Sep 2012 - Nov 2012

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