

ELI RAMTHUN

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810 Fleetwood Drive
Indianapolis, IN 46228

EDUCATION

BA Earlham College, Computer Science & Environmental Sustainability Dec - 2018
Graduated

RESEARCH EXPERIENCE

Icelandic Field Studies 2017 - 2018
Earlham College, Richmond, Indiana
Student Leader

- Helped college faculty organize, prepare for, and embark upon a 3-week long research experience for undergrads in Iceland
- Multidisciplinary undergraduate students and associated faculty worked on projects in Iceland related to invasive species control, avian nesting patterns, geographic surveying, ancient DNA sampling and extraction, and glaciology
- Computational tool kits and UAV's factored heavily into the various research threads

Energy-aware Management System on Cluster Systems 2018
Earlham College, Richmond, Indiana
Undergraduate Research Assistant to Xunfei Jiang

- Worked to continue previous research
- Experimental design and conduction emphasized
- Large scale data analysis conducted

Energy-Efficient Load Balancing on Cluster Systems 2017
Earlham College, Richmond, Indiana
Undergraduate Research Assistant to Xunfei Jiang

- Installed temperature monitoring systems
- Created and maintained online system monitoring tools
- Designed and executed experiments to verify and test heat distribution of different load balancing strategies

TEACHING EXPERIENCE

Earlham College, Richmond, Indiana Aug 2018 to Dec 2018
Teaching Assistant, Environmental Sustainability Department

- Teaching assistant for ENSU 141, Environment, Society, and Sustainability
- Guided classroom discussion, helped design and lead lab sessions, and graded assignments

Earlham College, Richmond, Indiana

Jan 2017 to Dec 2018

Teaching Assistant, Computer Science Department

- Assistant for CS 256 Data Structures and CS 370 Computer Graphics
- Graded assignments, lead structured lab sessions, and tutored students in open hours

Earlham College, Richmond, Indiana

Aug 2016 to Dec 2016

Instructor, Earlham College Office of Environmental Leadership

- Led a practicum about sustainable agriculture and traditional farming methods
- Curated and distributed reading materials, lead discussion, and engaged students with hands-on activities on a small farm

PRESENTATIONS AND INVITED LECTURES

Poster Presentation, “From Theory to Practice: Applied Community Projects in Environmental Capstone Courses,” AASHE, 2018.

Presentation, “Multidisciplinary Multi-modal Data Collection and Management,” Skálanes Symposium, 2018.

LANGUAGES

English: Native Language

French: Novice

COMPUTER SKILLS

Programming: Python, C/C++, Java, Javascript, R, Bash, Git, HTML, CSS

Applications: Microsoft Office, Android Studio, RT, QGIS, Scikit-learn

Platforms: Windows, Linux, OS X, Android

REFERENCES

Dr. Charles Peck, Professor
Computer Science
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Dr. Jamey Pavey, Director
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Jennifer Houston, Associate Director of Client Technology Services
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