

ADAM J. FOSTER
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EDUCATION

Bachelor of Science in Biological Sciences, December 2021
Wright State University, Dayton, OH

Master of Science in Computer Science, June 2010
Wright State University, Dayton, OH

Bachelor of Science in Computer Science, June 2008
Wright State University, Dayton, OH

SELECTED COURSEWORK

General Entomology

Plant Biology

Ecosystem Ecology & Global Change

Biostatistics

Advanced Cell Biology

Biochemistry & Molecular Biology

Molecular Biology & Genetics

Population Genetics

Virology

Clinical Microbiology

RESEARCH EXPERIENCE

Wright State University, Dayton, OH

WestRock Scholar Program; Advisor: John O. Stireman III; March 2021 – Present

Native bee responses to regenerative agriculture

- Surveyed bees at a farm that recently transitioned to regenerative agriculture practices using multiple techniques, including sweep netting, pan traps, and a Malaise trap.
- Identified collected bee specimens to the finest taxonomic level possible (in progress)

Wright State University, Dayton, OH

Independent Study; Advisor: John O. Stireman III; September 2020 – April 2021

Autumn bee diversity in the Wright State prairie

- Surveyed bees in constructed prairie on campus using pan traps from September to November.
- Identified most collected bee specimens to the species level, and the rest (from two difficult genera) to the subgenus level.

PRESENTATIONS

Foster, A.J. and Stireman, J.O. Autumn bees of the Wright State prairie. Wright State University. Oral presentation. Runkle Woods Symposium, November 2021.

Foster, A.J. and Stireman, J.O. Native bee responses to regenerative agriculture: a baseline study. Wright State University. Oral presentation. Departmental Ecoseminar, October 2021.

Foster, A.J. and Stireman, J.O. Native bee responses to regenerative agriculture: a baseline study. Wright State University. Poster presentation. College of Science and Mathematics Festival of Research, October 2021.

RESEARCH GRANTS

WestRock Scholar Program: Native pollinator responses to regenerative agriculture: a baseline study.
Awarded \$6110. February 2021.

PROFESSIONAL EXPERIENCE

NexSens Technology Inc., Fairborn, OH

Senior Software Engineer/Web Developer, 2012 – 2019

- Full stack web developer responsible for creating and maintaining multiple websites including an e-commerce site and a web app for logging environmental data.
- Administered Linux servers hosting company websites.
- Supervised junior web developers.
- Maintained and updated iOS and Android apps

iCAD, Inc., Beavercreek, OH

Software Engineer, 2010 – 2011

Software Engineering Co-op, 2007 – 2010

- Implemented image-processing algorithms for multiple Computer Aided Detection (CAD) software products for cancer detection, based on 2D digital mammography for breast cancer, CT colonography for colorectal cancer, and MRI for prostate cancer

REFERENCES

John O. Stireman III, Ph.D.

Professor

Department of Biological Sciences, Wright State University

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Professor

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