

CONTACT

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SKILLS

Teaching	4+ yrs
Lab Experience	5+ yrs
Curriculum Design	5+ yrs
Python	2+ yrs
R	1+ yrs
Linux	1+ yrs
Java	1+ yrs
Statistical Methods	5+ yrs
Data Analysis	5+ yrs

Heather Chamberlain-Irwin

Ph. D. Student - Ecology, Evolution and Organismal Biology

EDUCATION

Ph. D. - Ecology and Evolutionary Biology **2021 - Current**
Iowa State University - Ames, IA

GPA: 4.00 Current status: Coursework ongoing

Endorsement - Computer Science **2019**
Northwestern College - Orange City, IA

GPA: 4.00

M.A. - Science Education **2013 - 2015**
University of Northern Iowa - Cedar Falls, IA

GPA: 3.85 Thesis: Biblical literalism and the acceptance of biological evolution in Christian university students

B. A. - Biology; Minor - Religious Studies **2009 - 2012**
University of Northern Iowa - Cedar Falls, IA

GPA: 3.57 Coursework in all science areas

WORK EXPERIENCE

Teaching Assistant **Aug 22- Dec 22**
Iowa State University - Ames, IA

Lead hands-on experiences for non-major students in biology

Science Educator **Aug 16 - 20**
Iowa Falls and South Tama CSDs, IA

Taught biology, chemistry, general science, and Advanced Placement computer science.

Quality Assurance Assistant/Lab Technician **Jan 11 - Aug 16**
TestAmerica, Inc. - Cedar Falls, IA

Oversaw lab compliance with federal and state environmental regulations.

PUBLICATIONS

Convergent domestication: Finding the genes that make crops **June 2022**
Current Biology (<https://doi.org/10.1016/j.cub.2022.05.003>)
Vol 32, Issue 12, 2022

Status: Accepted and Published

ACHIEVEMENTS

FELLOWSHIP

Ecology and Evolutionary Biology - ISU

Merit-based total funding for first year of Ph. D. program

PROJECTS

Recreation of Plant Genomic Study

Python, BioPython, R, Linux

May 2022

(github.com/chamberwin/BCB546-Spring2022_IceCreamBean.git)

WORKSHOPS & CONFERENCES

Maize Meeting

Conducted by: Maize Genetics Cooperative

April 2022

Ecology and Evolution Symposium

Conducted by: GREBE Officers

March 2022

Ecology and Evolution Symposium

Conducted by: GREBE Officers

February 2021

AFFILIATIONS & MEMBERSHIPS

- **Web coordinator** for Students for the Advancement of Chicano and Native American Students in Science **SACNAS**
- **Member** of Graduate Research in Evolutionary Biology and Ecology **GREB**
- **Member** of Graduate Student Organization **GSO**