

# ABOUT THE AUTHORS

## AARON ISAACS

*"Effects of Filament Diameter Tolerances  
in Fused Filament Fabrication"*

Page 44, Professional Schools

**Faculty Mentor:**

Dr. Andres Tovar

After 20 years in the workforce, Aaron made a risky decision to leave a well-paying job to pursue his dream of being an engineer. His focus is in the emerging field of Additive Manufacturing (AM) technology. He is a student in the School of Engineering and Technology at Indiana University - Purdue University Indianapolis (IUPUI).

## ABIGAIL CURDES

*"Effects of Filament Diameter Tolerances  
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**Faculty Mentor:**

Dr. Andres Tovar

Abigail is a first-year undergraduate studying Mechanical Engineering and German language at Indiana University - Purdue University Indianapolis (IUPUI). On campus, she is a member of the Honors College, Society of Women in Engineering, and the Alpha Lambda Delta Honor society. This will be her first published paper.

## ADAM BUSS

*"Construction of Generalized Integral  
Formulas by Means of Laplace  
Transforms"*

Page 36, Natural Sciences

**Faculty Mentor:**

Dr. Axel Schulze-Halberg

Adam is an undergraduate student in the Department of Physics at Indiana University - Northwest.

## CAROLINA CARDONA

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**Faculty Mentor:**

Dr. Andres Tovar

Carolina is a sophomore majoring in Mechanical Engineering with a minor in Mathematics. She is a student in the Purdue School of Engineering and Technology at Indiana University - Purdue University Indianapolis (IUPUI).

## CATHERINE XU

*“Tracks in the Snow”*  
Page 29, Humanities

**Faculty Mentor:**  
Dr. Christoph Irmscher

Catherine is a freshman Wells Scholar from West Lafayette, Indiana majoring in Cognitive Science and Economics at Indiana University - Bloomington. She is passionate about feminism and environmentalism and is searching for ways to combine those passions with her academic interests. She is absolutely loving her first spring in Bloomington.

## DEBORAH ZEMLOCK

*“Learning About Letters through Handwriting Practice”*  
Page 56, Social Sciences

**Faculty Mentor:**  
Dr. Karin James

Deborah is a senior in the Department of Psychological and Brain Sciences at Indiana University - Bloomington.

## JACOB HUFF

*“Bared Teeth, Plucked Feathers, Broken Eggs: Reading Human-Animal Relationships Through Audubon”*  
Page 6, Humanities

**Faculty Mentor:**  
Dr. Christoph Irmscher

Jacob is a third-year undergraduate from Indianapolis, Indiana. He is a student in the Department of English at Indiana University - Bloomington, and he enjoys studying the intersection of literature and politics, particularly in the nineteenth and twenty-first centuries. Outside of class, he writes and performs sketch comedy with the University tWits.

## JOSHUA MORROW

*“Propaganda and Artificial Glory: The Role of Propaganda and Political Rhetoric on the Decision to Volunteer for the Spanish-American War”*  
Page 19, Humanities

**Faculty Mentor:**  
Dr. Eric Sandweiss

Joshua is a senior at Indiana University - Bloomington majoring in History with minors in Anthropology, Spanish, and English. He is a member of the McNair Scholars Program and Indiana University's History Honors Program. He is a Hoosier native and plans on pursuing a career in academia after graduation.

# ABOUT THE AUTHORS

## JUAN JOSÉ DEL VALLE COELLO

*"Forest Economies: A Remedy to Amazonian Deforestation?"*  
Page 63, Professional Schools

**Faculty Mentor:**  
Dr. Eduardo S. Brondízio

Juan is a junior at Indiana University - Bloomington, originally from Evansville, Indiana. Majoring in International Studies (with a concentration in development) and Russian and minoring in Computer Science, he is interested in sustainable development and international affairs. He plans to apply for NGO work or a Fulbright grant upon graduation.

## KAITLYNN MILVERT

*"Becoming God: Cycles of Rebirth and Resurrection in Their Eyes Were Watching God"*  
Page 13, Humanities

**Faculty Mentor:**  
Dr. Christoph Irmscher

Kaitlynn is a freshman at Indiana University - Bloomington majoring in Spanish and English and minoring in Portuguese. In her free time, she participates in Teatro VIDA, a Spanish-language theatre group on campus, and pursues an ongoing interest in under-documented indigenous languages of Latin America.

## RAINEY STEWART

*"Endosymbiont Bacteria Holospora undulata Confers Oxidative Tolerance in Host Paramecium caudatum"*  
Page 41, Natural Sciences

**Faculty Mentor:**  
Dr. Thomas Doak

Rainey is a senior biology major at Indiana University - Bloomington interested in molecular biology and genetics. Working as an undergraduate researcher in the laboratory of Michael Lynch, she researches gene expression after DNA damage in *Paramecium*. In addition, she studies how endosymbiotic bacteria *Holospora undulata* affects survivability of host *Paramecium* cells.

## SAMUEL DICKMAN

*“The Motivations Behind Child Welfare Work”*

Page 48, Professional Schools

### Faculty Mentor:

Dr. Carol Hostetter

Samuel is a senior in the School of Social Work at Indiana University - Bloomington.