

ERIC M. DILLON

🏠 ericmdillon.com
✉ dillon221@marshall.edu

☎ (606) 525-5014
🌐 linkedin.com/in/ericmdillon

EDUCATIONAL BACKGROUND

B.S. Computer Science and English

Aug. 2019 – May 2023 (Expected)

Marshall University, Huntington, West Virginia

3.88 GPA

- Declared minors in digital humanities and mathematics.
- Studied English literature during a summer abroad at the University of Oxford in July 2022.

EXPERIENCE

Undergraduate Research Assistant, Marshall University

Huntington, West Virginia

Sep. 2021 – Apr. 2022

- Designed a TensorFlow-based machine learning system to teach basic command line skills to K-12 and university students.
- Collaborated on development, documentation, and reporting with professors and other research assistants.
- Represented the computer science department at university recruitment events.

Student Archivist Intern, Marshall University Library of Appalachian Preaching

Huntington, West Virginia

Aug. 2021 – Apr. 2022

- Cataloged sermons preached at Temple Israel in Charleston, West Virginia.
- Searched for appropriate Library of Congress subject headings for each sermon based on content and historical context.
- Presented work for the Marshall University Digital Humanities Conversation series in April 2022.

Undergraduate Student Assistant, Marshall University Research Corporation

Huntington, West Virginia

Jun., Oct. 2021 – Apr. 2022

- Instructed K-12 teachers on how to implement computer science and cybersecurity concepts into their classrooms during the virtual GenCyber: Adventure Zone Teacher Academy.
- Advised teachers in successfully implementing these lessons after the end of the academy.
- Surveyed teachers after they had implemented cybersecurity lesson plans into their curriculum and found that approximately 950 students were positively impacted by their teacher's experiences at the academy.

Amazon Future Engineer Intern, Amazon

Seattle, Washington (Remote)

May – Aug. 2020

- Developed internal Amazon website that generates and transmits testing events from production to development stages using React.js, Node.js, AWS Lambda, and Ion serialization.
- Designed website and associated presentations according to company brand guidelines.
- Advised co-interns on inclusivity, project management, task delegation, documentation, and professional communication.

Undergraduate Teaching Assistant, Marshall University

Huntington, West Virginia

Jan. – Apr. 2020

- Clarified concepts for undergraduates in an introductory Python programming course through in-person and virtual office hours.
- Critiqued student work, including homework, quizzes, and exams, and provided constructive feedback for each student.

CONFERENCES

"A Machine Learning-Based Automatic Feedback System to Teach Cybersecurity Principles to K-12 and College Students"

IEEE Global Humanitarian Technology Conference, Santa Clara University, California Sep. 2022
Eric M. Dillon, Craig Carpenter II, John Cook, Thomas Wills, Husnu S. Narman

"Fine-grained Analysis of Gender Bias in Student Evaluations"

11th IEEE Integrated STEM Education Conference, Princeton, NJ (Virtual) Mar. 2021
Eric M. Dillon, Haroon Malik, David A. Dampier, Fatma Outay

INFORMAL POSTERS AND PRESENTATIONS

"Cataloging the Sermons of Charleston's Temple Israel"

Digital Humanities Conversation: Community Archiving Apr. 2022
Marshall University, Huntington, WV

"A Machine Learning-Based Automatic Feedback System to Teach Cybersecurity Principles to K-12 and College Students"

Student Research and Creativity Symposium Apr. 2022
Marshall University, Huntington, WV

Computer Science Symposium on Emerging Technologies Apr. 2022
Marshall University, Huntington, WV

"Evaluating Gender Bias in RateMyProfessors Reviews: Integrating Data Mining with Gender Studies Principles"

DiHuCon 2021: Discomfort Mar. 2021
University of Alberta, Edmonton, Canada (Virtual)

COMMITTEES AND EXTRACURRICULARS

- Poetry Reader, Et Cetera Literary Magazine Feb. 2022 – Present
- Presidential Ambassador, Marshall University Aug. 2021 – May 2022
- Student Vice President, Marshall University Phi Kappa Phi Chapter Nov. 2020 – Apr. 2022
- Member, DoSomething.org Research Council Jul. 2021 – Jan. 2022
- Member, Amazon Future Engineer Outreach Committee May 2020 – Dec. 2021
- President, Marshall University Honors Steering Committee Association Aug. 2020 – May 2021
- Member, USPAA Scholar Summit Planning Committee Aug. – Sep. 2020
- Co-head, Amazon Future Engineer Growth Committee May – Aug. 2020
- Member, College Board Youth Advisory Board Sep. 2019 – Jun. 2020

GRANT ACTIVITIES

Marshall University Undergraduate Creative Discovery and Research Awards Dec. 2021

"An Automatic Feedback System to Teach Cybersecurity Principles to K-12 and College Students"
Institutional research grant valued at \$1,750 for one semester.

Marshall University Undergraduate Creative Discovery and Research Awards Dec. 2020

"Evaluating Gender Bias on RateMyProfessors Ratings: A Digital Humanities Approach"
Institutional research grant valued at \$1,750 for one semester.

AWARDS, SCHOLARSHIPS, AND NOMINATIONS

Society of Yeager Scholars Aug. 2019 – Present

Awarded by Marshall University. Institutional scholarship of \$143,000 spread over four years.

Amazon Future Engineer Scholar

Aug. 2019 – Present

Awarded by Amazon and Scholarship America. National scholarship of \$40,000 spread over four years.

2nd Place, Best Paper Award for Work-in-Progress Papers

Awarded by the 11th IEEE Integrated STEM Education Conference

Mar. 2021

Paper: "Fine-Grained Analysis of Gender Bias in Student Evaluations"

3rd Place, Upper Division Critical Writing, Maier Writing Awards

Apr. 2022

Awarded by Marshall University and the Maier Foundation

Paper: "Arcadia Bay, Exploitation, and Human Responsibility: An Eco-feminist and Eco-historic Reading of Life is Strange."

Nominee, Technical/Workplace Writing, Maier Writing Awards

Mar. 2021

Nominated by Marshall University and the Maier Foundation

2nd Place, Maier Ethics in AI Competition

Oct. 2020

Awarded by West Virginia University and the Maier Foundation. State-wide competition.

Received cash prize of \$1,000.

Presentation: "The Cost of Discriminatory Artificial Intelligence."

Nominee, First-Year Research Writing, Maier Writing Awards

Mar. 2020

Nominated by Marshall University and the Maier Foundation