ERIC M. DILLON

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EDUCATIONAL BACKGROUND

MPhil in Digital Humanities   Oct. 2023 – Jul. 2024 (Anticipated)

University of Cambridge, Cambridge, England

Bachelor of Science in Computer Science   Aug. 2019 – Apr. 2023
Bachelor of Arts in English

Marshall University, Huntington, West Virginia   3.87 GPA
- Completed minor in digital humanities.
- Studied English literature during a summer abroad at the University of Oxford in July 2022.

SCHOLARSHIPS

Society of Yeager Scholars   May 2019 – Present

Awarded by Marshall University. Institutional scholarship worth $143,000 spread over four years.
Selected as one of eight students in the 2023 Class of Yeager Scholars, the university's
most prestigious scholarship program.

Southern Coal Providers Association Scholarship   May 2019

Awarded by the Greater Kanawha Valley Foundation. State scholarship of $2,000 for one year.
Selected for being a descendent of a coal mining family in southern West Virginia.

Amazon Future Engineer Scholar   Apr. 2019 – Present

Awarded by Amazon and Scholarship America. National scholarship of $40,000 spread over four years.
Selected as one of 100 students in the 2019 cohort for the Amazon Future Engineer Scholarship.

AWARDS AND NOMINATIONS

1st Place, Best Paper Award for Full Papers   Mar. 2023

Awarded by the 13th IEEE Integrated STEM Education Conference.
Paper: "Adapting Cybersecurity Teacher Training Camp to Virtual Learning"

ACTA Scholar – National Society of ACTA Scholars   Jan. 2023

Inducted as an ACTA Scholar for achievement in liberal arts education.

Marshall University Undergraduate Creative Discovery and Research Awards   Dec. 2021

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

2nd Place, Best Paper Award for Work-in-Progress Papers   Mar. 2021

Awarded by the 11th IEEE Integrated STEM Education Conference.
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.

Marshall University Undergraduate Creative Discovery and Research Awards　　Dec. 2020
Institutional research award valued at $1,750 for one semester.
Paper: "Evaluating Gender Bias on RateMyProfessors Ratings: A Digital Humanities Approach"

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
Paper: "Kitsch, Camp, and Filth in John Waters' Pink Flamingos."

WORK AND INTERNSHIP EXPERIENCES

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　　Jan. – 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.
- Presented to co-interns on inclusivity, project management, task delegation, documentation, and professional communication.
- Instructed elementary students on the concept of programming and how the Amazon Future Engineer program provides support on this goal.

Undergraduate Teaching Assistant, Marshall University
Huntington, West Virginia　　Jan. – Apr. 2020
- Clarified concepts for undergraduates in an introductory Python programming course (CS110: Computer Science I) through in-person and virtual office hours.
- Critiqued student work, including homework, quizzes, and exams, and provided constructive feedback for each student.

CONFERENCE PAPERS

Maddy, Joshua, <u>Eric M. Dillon</u>, Husnu S. Narman. "Adapting a Cybersecurity Teacher Training Camp to Virtual Education." *2023 IEEE Integrated STEM Education Conference (ISEC)*, Mar. 2023, https://www.ieee-isec.info/day/1/.

Dillon, Eric M., et al. "A Machine Learning-Based Automatic Feedback System to Teach Cybersecurity Principles to K-12 and College Students." *IEEE Global Humanitarian Technology Conference*, Sept. 2022, https://edas.info/p29574.

Dillon, Eric M., et al. "Fine-Grained Analysis of Gender Bias in Student Evaluations." *2021 IEEE Integrated STEM Education Conference (ISEC)*, Mar. 2021, https://doi.org/10.1109/isec52395.2021.9764069.

POSTERS AND PRESENTATIONS

Dillon, Eric M., and Robert Ellison. "Cataloging the Sermons of Charleston's Temple Israel." Digital Humanities Conversation: Community Archiving. Apr. 2022, virtual, https://www.youtube.com/watch?v=KI09Ycy-feE.

Dillon, Eric M., et al. "A Machine Learning-Based Automatic Feedback System to Teach Cybersecurity Principles to K-12 and College Students." Marshall University Student Research and Creativity Symposium, Apr. 2022, Huntington, West Virginia.

---. "A Machine Learning-Based Automatic Feedback System to Teach Cybersecurity Principles to K-12 and College Students." Marshall University Computer Science Symposium on Emerging Technologies, Apr. 2022, virtual, https://www.youtube.com/watch?v=Sfqg1GNtd9Y.

Maddy, Josh D. C., <u>Eric M. Dillon</u>, Husnu S. Narman. "Adapting a GenCyber Teacher Training Camp to Virtual Learning." Marshall University Student Research and Creativity Symposium, Apr. 2022, Huntington, West Virginia.

---. "Adapting a GenCyber Teacher Training Camp to Virtual Learning." Marshall University Computer Science Symposium on Emerging Technologies, Apr. 2022, virtual.

Dillon, Eric M. "Evaluating Gender Bias in *RateMyProfessors* Reviews: Integrating Data Mining with Gender Studies Principles." DiHuCon 2021, Mar. 2021, virtual.

COMMITTEES AND EXTRACURRICULARS

- Independent Game Developer, *Avenue*   Jan. 2023 - Present
- Speaker, English Department Prospective Student College Experience Session   Apr. 2023
- Independent Tutor in Computer Science and English   Aug. 2022 – Apr. 2023
- Member, WIT Technology Club   Sep. 2022 – Apr. 2023
- Student Evaluator, English Department Hiring Committee for New Faculty Members   Apr. 2022
- Poetry Reader, Et Cetera Literary Magazine   Feb. – Apr. 2022
- 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