

Stephen W. Krewson

Résumé

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Education

- 2019 Ph.D. (expected), English, Yale University
Thesis: “The Apparatus and the Cut: Kinaesthetic Learning in the Early 19C”
Advisers: Caleb Smith, Wai Chee Dimock, Michael Warner
- 2018 M.S., Computer Science, Yale University
Relevant coursework: Comp. Vision, Data Mining, Optimization, Machine Learning
Adviser: Holly Rushmeier
- 2015 M.A., M.Phil., English, Yale University
- 2010 B.A. *summa cum laude*, English, University of Pennsylvania

Relevant Work Experience

- 2018 Technical Consultant. The Medical Heritage Library, Inc. Developed and trained two-stage convnet model for extracting historical medical illustrations. Parallelized existing tools for downloading from Internet Archive. Code currently in use on MHL consortium’s dataset of 220k digitized books.
- 2016-18 Course Manager. CPSC 201: Introduction to Computer Science. Yale U. Managed team of 15+ undergraduate learning assistants who provided 20 hours per week of in-person help to students. Pioneered use of Canvas and Gradescope for efficient marking. Created and ran pedagogy trainings and established weekly discussion sections on course assignments and functional programming.
- 2015 Digital Rights Management Engineering Intern. ZEFR. Venice, CA. Integrated audio fingerprinting into ZEFR’s core discovery software. Extensive AWS and PostgreSQL work.

Selected Presentations and Publications

- 2018 Krewson, Stephen. “Using Page-level Features to Extract Picture Regions from HathiTrust and Internet Archive.” *Programming Historian*. Accepted July 2018. Forthcoming.
- 2018 Krewson, Stephen. “Visible Illustration, Visitation Culture, and the 19C ‘Picture System’ Debate” *American Literary History*. Submitted August 2018.

- 2016 Krewson, Stephen. Invited talk. "Visualizing the Mechanics of Hawthorne's *Universal History*." McNeil Center for Early American Studies. Philadelphia, PA.
- 2016 Krewson, Stephen. Invited talk. "Illustration Collation in Digital Libraries." ProQuest. Ann Arbor, MI.

Teaching

- 2018 Instructor. ENGL 114. Writing Seminar: Dopamine and Its Discontents. Yale U.
- 2016-18 Teaching Fellow. CPSC 201. Introduction to Computer Science. Yale U.
- 2015 Co-instructor. HUMS 304. The Grid: Knowledge, Histories, Visualization. Yale U.
- 2015 Teaching Fellow. CPSC 100. Introduction to Programming. Yale U.
- 2015 Teaching Fellow. ENGL 204. Shakespeare: Histories and Tragedies. Yale U.

Skills and Interests

Reading knowledge of French, Latin, and Spanish.

Extensive experience in Unix and scientific computing in Python, including TensorFlow and Keras.

Moderate experience in C, Haskell, JavaScript, Lisp/Racket, and web development.

Member of C19: Society of Nineteenth-Century Americanists and Society of Early Americanists.

Admissions Chair, Elizabethan Club of Yale University.

Volunteer with Friends of the Mill River Trail and Loaves & Fishes Food Pantry.