Two Tenure-Track Positions in Computer Science

Institution: Colby College
Department: Department of Computer Science
Review Date: 16 October 2017
Starting Date: 1 September 2018

Colby College invites applications for two tenure-track positions in Computer Science, to start on September 1, 2018. Applicants must hold, or be close to completing, a Ph.D. in computer science, computer engineering, or a related area. We are looking for one position with a research and teaching focus in machine learning and one position with a focus in CS theory (primary) and software development (secondary). The positions allow a balance of teaching and research.

Review of applications will begin on 16 October 2017 and will continue until the positions are filled. Full consideration will be given to candidates whose materials are received prior to the review date.

Colby College is a highly selective, comprehensive liberal arts college in Waterville, Maine. The department offers a major and a minor in computer science and participates in majors in Computational Biology, Environmental Computation, Interdisciplinary Computing [IC] Theater and Dance, and IC Music. Students pursuing these interdisciplinary majors take a mixture of CS courses and courses in their focus area. The department also supports a Data Science Minor and several other majors, including Biology, Physics and Astronomy, and Mathematics and Statistics. The machine learning position is part of a major multidisciplinary initiative in Computational Biology that includes faculty positions in Biology, Computer Science, and Statistics, an expanded Computational Biology curriculum, investments in computing and network infrastructure, and partnerships with the Jackson Laboratory and the Bigelow Laboratory for Ocean Sciences.

The Colby CS program is an outward-facing program designed to integrate with and take advantage of its liberal arts environment. In addition to providing the foundations of a CS education, our core courses focus on the applications of computer science across the arts and humanities, social sciences, and natural sciences and mathematics. We are looking to strengthen this aspect of our program with these positions; competitive candidates will address how they will support the interdisciplinary programs, situate themselves in a CS department at a small liberal arts college, contribute to increasing the diversity of the CS program, and participate in the larger academic community.

A full teaching load at Colby is five courses per year. The courses will typically include a mixture of core CS courses and upper level electives. The department is well-equipped with computing facilities including a large teaching lab, student project spaces, a research lab with linux workstations, and a centralized research compute cluster. In addition, we have a strong connection with the University of Maine through the Maine Research Network [MEREN] for access to high performance computing and storage facilities. For more information about the CS department, faculty, and courses, please see the department web site at http://cs.colby.edu.

Faculty at Colby benefit from our unique partnerships with the Jackson Laboratory and the Bigelow Laboratory for Ocean Sciences, both located in Maine. The College has strong research and educational partnerships with both institutions, and incoming faculty will be able to take advantage of that relationship in their teaching and research. Benefits potentially include access to unique large-scale data sets, research partnerships with scientists, access to computational resources, and opportunities for summer and sabbatical positions.

Application Instructions: Interested candidates should have **three references** submitted electronically from their referees to Interfolio and provide the following materials as PDFs: a **cover letter** highlighting their qualifications for the position, a **CV**, a statement outlining their **teaching philosophy and experience**, a **list of courses** they would like and are qualified to teach, a statement of **research interests** that includes how undergraduate students could participate in their research program, and a **representative sample** of current scholarship (e.g. 1-2 peer-reviewed publications). All materials must be submitted electronically to Interfolio: apply.interfolio.com/44265 . Questions about the position should be directed to the chair of the search committee, Bruce Maxwell (computersciencesearch@colby.edu).