

# APPLYING AI FOR SOCIAL GOOD

## CSE 398 – Section 012 (1 credit)

Spring 2020 • 2:05 pm – 3:20 pm F • Online Using Lehigh Zoom

Professor Daniel Lopresti (dal9@lehigh.edu)

### Course Description

AI is transforming our world, but at the same time tech companies have received criticism for focusing more on profits and ignoring societal impact. To counter this, an “AI for Social Good” movement has arisen within the field of computer science. In this one-credit seminar course, we will survey recent work that falls under this theme, focusing on problems that are both technically challenging and important to society.

Weekly readings will be assigned, and class participation will be graded. A final paper will also be required. For those who are interested, a small-scale project with an associated write-up can take the place of the final paper.

Prerequisites: permission of the instructor, along with some past experience in AI-related projects and/or courses (e.g., CSE 326/426 or CSE 327 or CSE 347/447 or CSE 398/498 Natural Language Processing or CSE 398/498 Text Mining).

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|-----------------|--|-------|
| <b>Grading:</b> | Participation (in-class & discussion forums) | (50%) |
|                 | Final Paper/Project                          | (50%) |

### Accommodations for Students with Disabilities

If you have a disability for which you are or may be requesting accommodations, please contact both your instructor and the Office of Academic Support Services, Williams Hall, Suite 301 (610-758-4152) as early as possible in the semester. You must have documentation from the Academic Support Services office before accommodations can be granted.

### Principles of Our Equitable Community

Lehigh University endorses [The Principles of Our Equitable Community](#). We expect each member of this class to acknowledge and practice these Principles. Respect for each other and for differing viewpoints is a vital component of the learning environment inside and outside the classroom.

### Academic Integrity

CSE 398 can involve team-based projects, so some students may collaborate with one another. Even so, the basic principles of academic integrity still apply and plagiarism is never acceptable. Work that you represent as your own must in fact have been done by you. Possible violations will be referred to the University Committee on Discipline and, if you are found guilty, you may be given the failing grade WF in the course. If you have questions about this policy at any point, ask me. It is far better to be safe than sorry when your academic career may be on the line.