

# E

E's Education, —it's part of our mission.  
It's more than simply knowledge transmission.  
We generate thinking, and discrim'nation,  
And also foment true knowledge creation.

We've always taken teaching seriously in spite of attention to research, and you'll find senior faculty doing curriculum reform and teaching lower-level courses just like the rest of the faculty.

We have a history of writing texts that influence the field. Gries wrote the first text on compiler writing in 1971, and his 1981 text on the science of programming brought formal programming methodology to the undergrad level. John Hopcroft, and Ullman wrote the classic algorithms text in 1974; Kozen followed up with an algorithms text in 1991, and Tardos and Kleinberg just published an algorithms text that reflects modern multidisciplinary practices. Charlie Van Loan's text on *Matrix Computations* (coauthored with Gene Golub) is one of the most widely cited text in the computing and mathematical sciences. Look, and you'll find some 75 books by members of the CS department.

You can judge our education efforts by the grad schools and industry jobs that our undergrads get admitted to and the success of our MEng and PhD graduates.

You can also judge our education efforts by our awards: 7 honorary doctorates, 4 national/international awards for education, a NY State Professor of the Year (over all disciplines), and 9 exclusive Cornell teaching and advising awards to our current faculty.



F is the Future —of the field and of us.  
Predictions are hard, and oft futile —  
The best I can do, the best I can say,  
Is that we will continue to lead the way.

Predicting the future of computing is as hard as predicting the weather in Ithaca two hours from now. In 1957, a professional Editor predicted that data processing was a fad that wouldn't last more than a year. In 1977, the president of DEC saw no reason why anyone would want a computer in their home (where is DEC now?). No one predicted the Internet even a year before it started. The only thing we can really say is that there will be change, and the only thing that hasn't changed is the price of a computer —since the 1940's, \$300–\$500 per pound.

Predicting the future of the department is easy. We will continue to lead in research and teaching as long as we adhere to basic principles: First, maintain a comfortable, collegial environment in which everyone can prosper. Second, hire only the best young faculty, (almost) regardless of area, and welcome them as full members of the department. Third, when the opportunity arises, hire a brilliant senior person to help move us in a desired direction. Fourth, admit only the best graduate students, for they are a vital component of the research arm.

