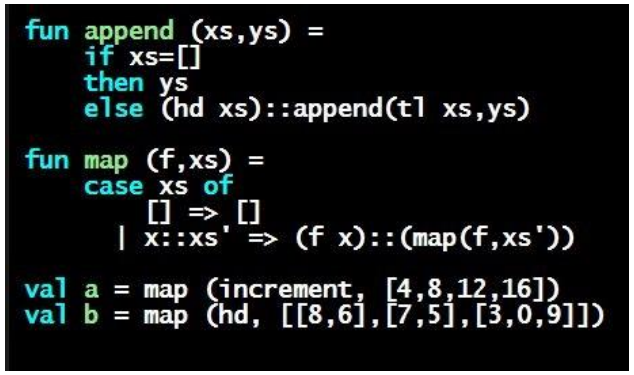

```
fun append (xs,ys) =
    if xs=[]
    then ys
    else (hd xs)::append(tl xs,ys)

fun map (f,xs) =
    case xs of
        [] => []
      | x::xs' => (f x)::(map(f,xs'))

val a = map (increment, [4,8,12,16])
val b = map (hd, [[8,6],[7,5],[3,0,9]])
```

Programming Languages

Dan Grossman
University of Washington

Wrap-Up: Our MOOC Good-Bye

Wow!

For you: Congratulations, however you participated!

- You could have been watching kitten videos
- No course can be totally perfect for each person
- I'm honored and stunned: hundreds of hours from each of thousands of people

Not unlike reading a decent novel, you may have each experienced something slightly different

Challenging!

- Unlike some MOOCs, this course was “the real deal”
- Based on a University of Washington course restricted to computer science / computer engineering majors
  - Highly competitive admissions
  - One of the top departments in the world
- Similar homeworks and course materials
  - Different exams but same topics
- Typically one of four courses taken by full-time students

So much work, so rewarding

- In terms of computing, academia, and such, sharing this conceptual framework is a great passion of mine
  - I hope you can tell ☺

- While "my way of explaining it" is my own in some ways,
  - I have "stood on the shoulders of giants"
  - I didn't invent any of this

- Nor could this MOOC have ever happened without the help of many, many people over *years*
  - Misleading that it was only my face in all the videos

Spread the word

- Tell your friends
- Make the world a better place
- Have fun!

Thanks again for sharing my favorite course in the world with me

The End