

**Northwestern University
EECS 101:
An Introduction to Computer Science for Everyone
Spring, 2011**

Personalities in Computer Science

(last updated 4/7/2011)

Please choose a personality from the following list to write about for your first essay for EECS 101.

- Scott Aaronson
- Luis von Ahn
- Thomas Anderson
- Dana Angluin
- John Attanasoff
- Charles Babbage
- Fabrice Bellard
- Tim Berners-Lee
- James Blinn -- Notes: did NASA's earliest computer animations; won a McArthur 'genius' grant.
- Grady Booch
- George Boole
- Anita Borg
- Fred Brooks
- Rod Brooks
- Jin-Yi Cai -- Notes: Computational Complexity Theory.
- Luca Cardelli
- Ed Catmull -- Notes: CGI pioneer; founder/president of Pixar.
- Vint Cerf
- Noam Chomsky
- Alonzo Church
- David Clark
- Edmund Clark
- Steven Cook
- Alan Cox
- David Culler
- Andy van Dam
- Paul Debevec -- Notes: Pioneer mixing real/synthetic imagery; Academy awards, etc.
- Steve Deering
- Eric Demaine
- Edsger Dijkstra

- Andrea diSessa -- Notes: Learning Science;
http://en.wikipedia.org/wiki/Andrea_diSessa
- Jack Dongara
- J. Presper Eckert
- Susan Eggers
- Larry Ellison
- Douglas Engelbart
- Deborah Estrin
- Joan Feigenbaum
- Ed Felten
- Richard Feynman -- Notes: Your essay should focus on his work in CS.
- Michael Fischer
- Sally Floyd
- Ian Foster
- Ed Fredkin
- Hector Garcia-Molina
- Bill Gates
- David Gelernter
- Garth Gibson
- Kurt Goedel
- Shafi Goldwasser
- James Gosling
- Jim Gray
- Dan Gusfield
- John Hennessy
- Tony Hoare
- John Hopcroft
- Grace Murray Hopper
- Berthold K. P. Horn -- Notes: Pioneer in Computer Vision; MIT professor;
author of key textbooks; computer optics.
- Van Jacobson
- Steve Jobs
- David Johnson
- Anita Jones
- Bill Joy
- Philippe Kahn
- Takeo Kanade
- Ravi Kanna
- Mitch Kapor
- Anna Karlin
- Robert Karp
- Randy Katz
- Alan Kay
- Ken Kennedy

- Brian Kernigan
- Bob Khan
- Jack Kilby
- Jon Kleinberg
- Leonard Kleinrock
- Donald Knuth
- Monica Lam
- Leslie Lamport
- Butler Lampson
- Ed Lazowska
- Charles Leiserson
- Lawrence Lessig
- Barbara Liskov
- Laci Lovasz
- Ada Lovelace
- Jitendra Malik -- Notes: Pioneer in Computer Vision, scale space, PDEs; UC Berkeley professor.
- Benoit Mandelbrot
- John Mauchly
- John McCarthy
- Robert Metcalf
- Marvin Minsky
- Hans Moravec
- Jim Morris
- Robert Tappan Morris
- Klara Nahrstedt
- Bruce Nelson
- Ted Nelson
- John von Neumann
- Peter Norvig
- John Ousterhout
- Christos Papadimitrou
- Seymour Papert -- Notes: Learning Science; http://en.wikipedia.org/wiki/Seymour_Papert; <http://www.papert.org/>
- David Patterson
- Randy Pausch -- Notes: CGI pioneer at Disney: 'Building Virtual Worlds', ALICE; inspirational CMU professor; died tragically young; wrote book 'Last Lecture' full of inspiring scientific-life guides.
- Vern Paxson
- Allen Perlis
- Robert Pike
- Jon Postel
- Eric Raymond
- Jennifer Rexford

- John Reynolds
- Dennis Ritchie
- Ron Rivest
- Roger Schank
- Margo Selzer
- Claude Shannon
- William Shockley -- Notes: co-invented the transistor.
- Peter Shor
- Herbert Simon
- Jim Smith -- Notes: a.k.a. James E. Smith.
- Joel Spolsky
- Richard Stallman
- Guy Steele
- Richard Stevens
- Andy Tanenbaum
- Eva Tardos
- Robert Tarjan
- Linus Torvalds
- Don Towsley
- Alan Turing
- Jeffrey Ullman
- Leslie Valiant
- Norbert Weiner
- Jennifer Widom
- Jeannette Wing
- Terry Winograd
- Niklaus Wirth
- Stephen Wolfram -- Notes: Your essay should focus on his work in CS.
- Steve Wozniak
- Andy Yao -- Notes: Turing Award Winner.
- Jamie Zawinski
- Ellen Zegura
- Konrad Zuse