Name:

E-mail:

School/Degree (MS/PhD/other):

Year (which year MS/PhD):

Major/Department:

Credit/Audit/Undecided:

Background: Have you taken the following *(or equivalent)*?:

- **CSEE W3827:** Fundamentals of Computer Systems *(or equivalent)* [1/2 course on basic digital logic, 1/2 course on computer organization]

- **CS W4823:** Advanced Logic Design *(or equivalent)*

- **CS W3134/3136/3137:** Data Structures and Algorithms *(or equivalent)*

- **CS W4824:** Computer Architecture *(or equivalent)*

- **EE4321:** Introduction to VLSI *(or equivalent)*

- **CS4231:** Analysis of Algorithms *(or equivalent)*

How familiar are you with the following? (very, somewhat, a little, not familiar)

- Karnaugh maps, 2-level (AND/OR) logic, truth tables?

- laws of Boolean algebra (associative, distributive laws, etc.)?

- basic components: multiplexers, demultiplexers, encoders?

- flipflops, latches, registers?

- adders, ALU's (arithmetic-logic units), multipliers?

- PLAs, ROMs?

- state machines (Mealy/Moore)?

- VHDL or Verilog?

What is your background in programming, data structures, algorithms? (incl. languages, programming experience, familiarity with trees/queues/linked lists, etc.)

Any experience using CAD tools, or learning about CAD algorithms?

Anything else you want to tell me about your background, research or interests?