Who Am I?

- Sinisa Todorovic (SINISHA)
  - Ph.D. at University of Florida
  - Postdoc at University of Illinois Urbana-Champaign (UIUC)

- Joined OSU in 2008
Teaching

CS 261: Data Structures
Teaching
ECE 468: Digital Image Processing
Teaching
CS 556: Computer Vision
input
output
Research

- [http://web.engr.oregonstate.edu/~sinisa/](http://web.engr.oregonstate.edu/~sinisa/)
This Course

http://classes.engr.oregonstate.edu/eecs/spring2011/cs261/CS261.html

- Lectures:
  - Mon, Wed, Fri 3-3:50pm, OWEN 102

- Recitations:
  - Tue 2-2:50pm, KEC 1003
  - Tue 11-11:50am, COVL 218
  - Tue 12-12:50pm, KEC 1003
  - Tue 1-1:50pm, KEC 1003
Class Information

- Instructor: Sinisa Todorovic
- Office: KEC 2107
- Office Hours: Tue 3-5pm
- sinisa@eecs.oregonstate.edu
- cs261-s11@engr.orst.edu
Class Information

• TAs:
  • Ali Torkamani
  • torkammo@eecs.oregonstate.edu
  • Office hours: Mon 7:45-9:45am

• Tao Sun
  • suntao@ymail.com
  • Office hours: Wed 1:30-3:30pm
Class Description

• General-purpose data structures and algorithms
• Topics:
  • managing complexity,
  • lists,
  • queues,
  • trees,
  • heaps,
  • hash tables,
  • graphs.
Class Description

• Prerequisites:
  • CS 162
  • MATH 231
  • Basic programming skills
  • Some prior experience with Unix
Class Description

- Textbook (required)
  - Dr. Budd’s Online Textbook

- Reference Book (Highly recommended)
  - C Pocket Reference
Class Description

• Class mailing list: cs261-s11@engr.orst.edu

• Important announcements

• Use this e-mail to ask course related questions
Preparation and Attendance

• Regularly attend class

• If you miss a class, you are still responsible for learning the material covered during that class.

• Do not expect a private tutorial if you skip lectures and/or recitations.
Conduct

• Be on time

• Turn off cell phones

• No eating in class
Participation

• Come to class prepared

• I will often:
  • Ask a student to answer questions
  • Give pop-up quizzes

• You are encouraged to ask questions
Grading

• 4% Worksheets, pop-up quizzes
• 30% Homework
• 18% Midterm exam 1
• 18% Midterm exam 2
• 30% Final exam
Worksheets

- Almost every class, we will solve worksheets together

- Hand them in the next class, before the lecture begins
Homework

• There will be 9 homeworks

• They will mostly involve programming assignments
Handing in Homework

- Must submit homework report via the
- **TEACH website**
- https://secure.engr.oregonstate.edu:8000/teach.php?type=want_auth

- By **2PM** on the due date
Handing in Homework

• We will grade **ONLY** homework submitted via the TEACH website

• By **2PM** on the due date

• No credit for homework on your personal computers, USB drives, e-mails, etc.,

• Even when you can prove that it has been done before the deadline
Handing in Homework

1. Make sure you have an ENGR account
2. If you do not, go to https://secure.engr.oregonstate.edu:8000/teach.php?type=want_auth
3. Click on “create a new account”
4. Log in
5. Click Submit an Assignment
6. Choose the assignment from List of Assignments
7. Upload all required .c and .h files
8. Click Submit
9. Verify successful submission
Handing in Homework

• Submit only your .c and .h files

• We do not want your .o (object) files
Handing in Homework

- Your source code will be compiled by TAs using gcc on Unix
Handing in Homework

- Make sure that your final submission
  - Compiles with gcc on Unix, and
  - Runs on Unix

- You will **NOT get any partial credit** if your code does not compile on Unix
Handing in Homework

- Some homework will require a code that creates new files
- Do not upload these new files via the TEACH website
- These files are supposed to be created when the TAs run your code
Program documentation

1. **Always** identify yourself and the program at the top of the *main* file.

   /*
    *<your name>       <date>
    *<collaborators, description of help>
    *<assignment Identification>
    *<development environment>
   */

2. **Always** identify yourself and the file contents at the top of other .h and .c files.

   /*
    *<your name>       <date>
    *<file description>
   */
Program documentation

3. **Always** provide a description for each procedure / function.

    /*
    *<function description>
    *<input description>
    *<output description>
    */

4. **Always** use self-documenting code.

5. Provide additional comments **as needed**. (Usually comment logical sections of code.)
Handing in Homework

- When you are asked to draw a diagram,

- You may hand-draw them, and scan them, to include with your online submission
Handing in Homework

• The homework statement will precisely define the naming convention of each required file
• Respect the required naming convention
• gcc is case sensitive
• For each file name that does not respect the naming convention you will lose 10% of the total credit
Late Homework

- Only with prior approval of the instructor

- Must get the approval at least 1 day before the deadline, unless in the case of emergency

- Otherwise, zero tolerance
Mistakes in Submitting Homework

- Students often accidentally submit wrong files to the TEACH web site,

- You will not be given an opportunity to resubmit your homework after the deadline
Academic Honesty -- Homework

- Honesty:
  - Absolutely essential for learning to occur
  - Forms the foundation of your professional integrity

- Ok
  Discuss concepts, general approaches, bugs
Collaboration

- You are expected to do your own work!
- OK to talk about *general* approaches and strategies with other students
- Do not simply let someone else tell you how to solve the problem
- Do not let someone else copy your work
Academic Honesty -- Homework

Not Ok

• Debugging someone else’s code
• Sharing code, solutions
• Using code that is not yours, e.g., from:
  • The Internet
  • Previous generations
• Very similar homeworks
  • Common excuse: “We worked on it together”
  • All involved students will get zero credit
What if I need help on assignments?

- Email cs261-s11@engr.orst.edu
- See us in our office hours

Start your assignments early!
Do not wait till the day before the due date.
Office Hours Policy

- We will help you understand the assignments
- We will only help you debug code if you can demonstrate confidence in supporting code
  - If function A calls function B, you must demonstrate that function B is correct (e.g., demonstrate a unit test case!!!)
  - We cannot help debug if you cannot demonstrate confidence
Exams

• There will be 2 midterms and the final exam
• The exams are closed book and closed notes
• Dates:
  • Friday, April 22, 3pm, OWEN 102
  • Monday, May 23, 3pm, OWEN 102
  • Thursday, June 9, 6pm
• Contact the instructor immediately if you cannot make these times
Makeup Policy for the Exams

- Contact the instructor at least 5 days in advance to arrange for an alternate date/time.
- When the student is unable, their family may contact the Office of the Dean of Students at 541-737-8748 for assistance.
- No makeup for students who miss a midterm, or final exam without an excused absence.
Grading policies

• Contact us immediately if you see an error in our grading

• You have 1 week after the exam or homework has been returned to the class to question your grade
Next Lecture…

- Homework 1 due this Friday, April 1, 2pm
- See ‘C’ tutorials in Resources section of website
- Get your C reference manual