Computational Graphics: Lecture 1

CVD Lab Team

Mon, Mar 3, 2014

Outline: Syllabus, GitHub

1. Syllabus
2. Homeworks
3. Grading
4. Git Basics
5. GitHub
6. Assignments

Syllabus

Computational Graphics 2014

- General information

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- General information
- Course notes and student home

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- Programming tools

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  - pyplasm (PLaSM for Python)

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  - Javascript

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  - Javascript
  - plasm.js (PLaSM for JavaScript)

Homeworks

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Four programming tests

1. Fri, Mar 21, 2014 (geometric data structures – python)

Homeworks

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2. Fri, Apr 11, 2014 (curves and surfaces – python)

Homeworks

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1. Fri, Mar 21, 2014 (geometric data structures – python)
2. Fri, Apr 11, 2014 (curves and surfaces – python)
3. Fri, May 16, 2014 (scene graphs – python)

Homeworks

Four programming tests

1. Fri, Mar 21, 2014 (geometric data structures – python)
2. Fri, Apr 11, 2014 (curves and surfaces – python)
3. Fri, May 16, 2014 (scene graphs – python)
4. Fri, Jun 6, 2014 (rendering – javascript)

Grading

Exam requirements

Two patterns:

1. Homeworks (≤ 15)

Exam requirements

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2. Oral exam (1 question) (≤ 5)

Exam requirements

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3. Project (≤ 10) + bonus (showcase: $<= 3$)

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Exam requirements

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1. Homeworks (≤ 15)
2. Oral exam (1 question) (≤ 5)
3. Project (≤ 10) + bonus (showcase: $<= 3$)

or

1. Written exam (≤ 10)

Exam requirements

Two patterns:

1. Homeworks (≤ 15)
2. Oral exam (1 question) (≤ 5)
3. Project (≤ 10) + bonus (showcase: $<= 3$)

or

1. Written exam (≤ 10)
2. Oral exam (3-4 questions) (≤ 10)

Exam requirements

Two patterns:

1. Homeworks (≤ 15)
2. Oral exam (1 question) (≤ 5)
3. Project (≤ 10) + bonus (showcase: $<= 3$)

or

1. Written exam (≤ 10)
2. Oral exam (3-4 questions) (≤ 10)
3. Project (≤ 10)

Git Basics

Distributed version control system: Git 1/2

- In software development, Git is a distributed revision control and source code management (SCM) system with an emphasis on speed.

(from Wikipedia)

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Distributed version control system: Git 1/2

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- Every Git working directory is a full-fledged repository with complete history and full version tracking capabilities, not dependent on network access or a central server.

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- Git was initially designed and developed by Linus Torvalds for Linux kernel development in 2005.
- Every Git working directory is a full-fledged repository with complete history and full version tracking capabilities, not dependent on network access or a central server.
- Git is free software distributed under the terms of the GNU General Public License version 2.

(from Wikipedia)

Distributed version control system: Git 2/2

- Git tutorials

Distributed version control system: Git 2/2

- Git tutorials
- install Git (guide)

Distributed version control system: Git 2/2

- Git tutorials
- install Git (guide)
- Git Cheat Sheet

GitHub

SignOn GitHub

GitHub is a web-based hosting service for software development projects that use the Git revision control system.

GitHub offers both paid plans for private repositories, and free accounts for open source projects.

- configure git and github (guide)

Assignments

Enroll to the course !!

To: Alberto Paoluzzi <apaoluzzi@gmail.com>
Cc:
Bcc:
Reply To:
Subject: [grafica computazionale] iscrizione al corso 2014
From: Alberto Paoluzzi <apaoluzzi@me.com> iCloud (iCloud)

```
Cognome Nome
primo anno laurea magistrale  (oppure: secondo ...)
ingegneria informatica (oppure: altro)
matricola: xxxxxx
email: account@provider
informatica biomedica: SI  (oppure: NO)
interessato a tesi di laurea: SI  (oppure: NO)
```

send an email to me . . . NOW!

Projects of 2014

1. make charming presentations/renderings of your last homework

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Your choice to be discussed with me (before Easter)

References

Course syllabus

Pro Git book