Massively Multiplayer:

A Dozen Schools Teach Together, Collaboratively and Competitively

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Massively Multiplayer: Sixteen! Schools Teach Together, Collaboratively and Competitively

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GAME DEVELOPERS CONFERENCE

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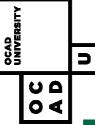


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Inspiring Innovation and Discovery







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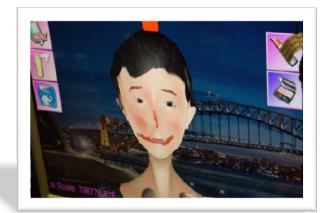








- First game development course in computer science @ University of Toronto.
 - No collaborations→ yay programmer art.
 - Very little industry interaction.



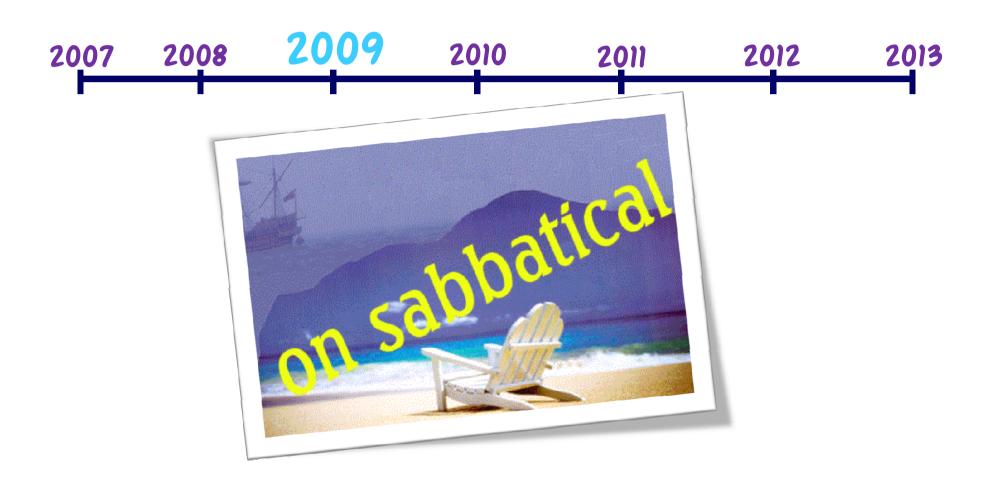


- First attempts at collaboration:
 - First-year class, collaboration with environmental science students.



 Fourth-year class, collaboration with students from art schools.







- Industry involvement!
 - Guest lectures
 - Recruiting talks
 - Game showcase guests
 - Including: Toronto International Film Festival

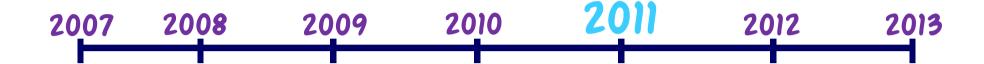




- Second attempt at collaboration:
 - Fourth-year class, collaboration with students from local art school.



Surprising Success ©



- Created "Level Up"
 - Public showcase event for student projects
 - Hosted at external venue
 → TIFF Bell Lightbox
 - Joined by:









- Game Faculty Mini-Summits
 - May Summit
 - 14 faculty from 8 schools
 - Industry guests too!
 - Visit to Ubisoft Toronto
 - February Summit
 - Hosted at XMG Studios





- Level Up showcase grows
 - 6 schools, 35 projects
 - 600 attendees in one night
 - Industry sponsors



Cool.

2007 2008 2009 2010 2011 2012 2013

Industry collaboration grows

Student-industry projects

Involvement in classes & curriculum

Research projects

Community involvement too!





- GameProfs get organized.
 - Communication
 - → mailing lists, Google Docs
 - Coordination
 - → sharing opportunities, contacts
 - Collaboration
 - → courses, research







- Level Up showcase grows again
 - 12 schools, 60 projects
 - 800 attendees
 - Media attention



Holy cow.







- Industry visits
 - e.g. Gameloft, Autodesk, Ubisoft
- Guest lectures
 - Other faculty
 - Industry speakers
- Collaborative projects
 - Courses (capstone, project)
 - Industry research
 - Community projects

Level Up showcase

- 75+ capstone projects
- 16 schools
- 800+ attendees









The Message:

- > If you're not collaborating with others already, you probably should.
- > If you are collaborating with others already, consider doing it on a large scale.

Why We Collaborate

The Most Important Outcome

Student Experience Faculty Expertise Faculty Time

Size of Subject Area

- Game design is an ever-increasing field.
 - Collaboration helps us do more for less.

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Example: CSC404 course:



The More We Work Together...

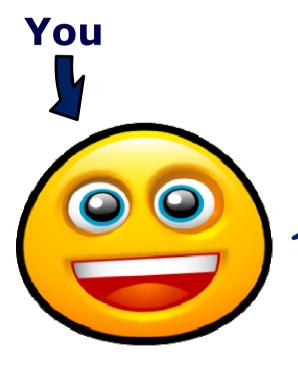
- Shared knowledge & resources
 - Reduce duplicated effort
- Present a united front
 - More power
 - More opportunities
 - Research
 - Industry



Effects on the Students

- Collaboration on external activities:
 - Clubs, contests, game jam events.





Okay, that sounds pretty sweet. So how do I make a largescale collaborative network of my own?

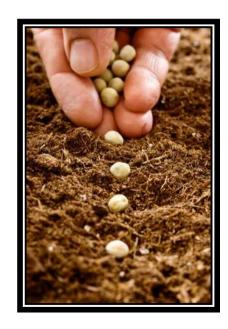
Instructors, Assemble!

- The GameProfs network provides many benefits, but needed hard work to grow.
 - Incentives → social gaming
 - **Engagement** → indie community
 - Organization → Agile methodologies

Creating the Large-Scale Collaboration

Challenge #1: Make sure that you're a good collaborator.

- Look for things that you have to offer.
- Look for the long-term benefits.
- Tell yourself it's not all about you ☺



Challenge #2: Leading the charge.

- Somebody needs to start the ball rolling.
 - Waiting for others to lead = waiting forever.
 - Usually one person needs to collect people, organize events, update group, etc.
- Be careful though!
 - Most people don't want to be led, and you probably don't want to lead either.

Lesson #1: Don't be a "leader".

- Unless you plan on leading by example:
 - Sharing information,
 - Facilitating events,
 - Connecting people.
 - And always on behalf of the group!



Example: Industry Connections

- Unity reps came to Toronto, offering student workshops.
- Autodesk offered to host a faculty info session for its new products.
- Ubisoft offered feedback sessions for student projects.

Challenge #3: Dealing with silence.

- You can't make people respond to you.
 - Time constraints
 - Resource constraints
 - Interest constraints





Lesson #2: Provide incentives.

- As with social gaming, any collaboration must compete for time and attention.
 - Activities need to be high benefit
 & low cost.
 - e.g. tours, social engagements, etc.
 - Later: Level Up showcase
 - Attendance → participation → investment

Lesson #3: Start slow.

- You'll never get 16 collaborators at once.
- Start with one & get the right fit
 - Certain collaborations are easier, make more sense.
 - e.g. programming + art
 - Can't be forced, needs to evolve organically.
 - If you build it...they will come...



Challenge #4: Managing the network.

Coordinating a few people is easy, but

how do you manage 15?

 And what will we do as this collaboration grows?



Lesson #4: Stay organized.

- Managing collaborations → agile approaches
 - Collaborative teaching
 - Interact multiple times a week.
 - Guest lectures or showcase participants
 - Interact once every week or two.
 - Try to get entire group of faculty to meet to coordinate and reconnect every few months.
 - Personal touch is important ©

Lesson #5: Stay sane.

- Invest in collaborative technology.
 - Shared documents, shared schedules.
- Interactions proportional to level of commitment
 - Eventually, tasks can be shared too.
 - For events, volunteers help share the load
 - or sponsorship can help pay for support.
 - Remember: you're not the boss ©

Challenge #5: Money money money.

- What are the costs involved here?
 - For the most part, collaborating is free!
 - Or more like free trade.
 - Only events cost money.
 - Thank you, industry partners!
 - We love you



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Challenge #6: Pleasing everybody.

- Forget about it. It's impossible.
 - Just avoid offending/neglecting anybody ©

Lesson #6: Communication is key.

- ...to finding collaborators:
 - Learn more about potential partnerships by reaching out and encouraging dialogue.
- ...to set up collaborative network:
 - Important to be non-partisan.
 - Present/promote the group over the individual.
 - Let people come to you.
- Personal attention always helps ©

Challenge #7: Admin issues.

- When it comes to collaborations, there is lots of interest from school admins, but often little help or incentive.
 - → Especially when getting authorization ahead of time!
- Better to ask forgiveness than permission.

Challenge #8: I'm not you.

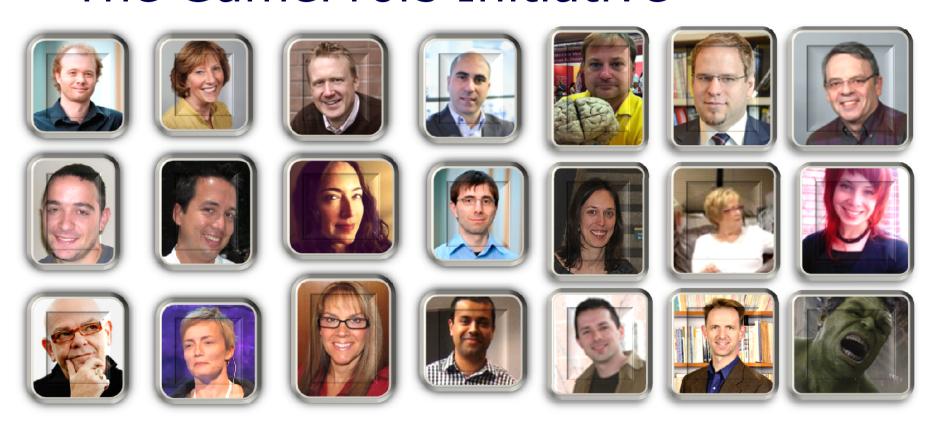
- Figure out what works for your peers.
 - Some of these approaches only worked because these game design profs were:
 - plentiful,
 - isolated, and
 - Canadian.
 - Sometimes, the benefit can outweigh the cost.

Challenge #9: That sounds like work.

- Collaboration as an investment
 - It'll take work.
 - ...and patience.
 - It'll take time.
 - No instant gratification
 - Results may take years to see
 - Best to start with low expectations ©
 - It will pay off in the end though.

Final Thoughts

The GameProfs Initiative















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GAMES

UBISOFT















The Sorcerer's Apprentices



Looking Back

We can't go back to the way things were.

- Collaboration in classes:
 - Interesting idea becomes essential approach.
- Collaboration in general:
 - "We" > "I".

Parting Thoughts

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- Come talk to us ©
 - → We welcome suggestions, or potential collaborators.
 - → Level Up 2014! http://www.levelupshowcase.com



Thanks, from all of us!

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