## ELPING FIGHT GUMPUTER GRI

SPRING 07 ~ iPRO team 311

- Computer misuse is much more rampant than

- No current way to test automated misuse detection

FIRETRUCK SMOKE-DETECTOR (PROACTIVE)

- No existing proactive commercial software

Misuse vs. Intrusion

- \$178 billion per year cost

aprohlem

intrusion



- Develop dataset generation tools
- Create human-generated dataset for testing
- Build misuse detection prototype
- End Solution: detect misuse in real time

## Procedure

- Break team into subteams
- Create data collection software
- Collect data (ran queries)
- Build data analysis software
- Analyze data

## Results

- 11.8 GB data set
- 168 user reports from 12 individual profiles
- 4,552 total minutes recorded
- 1,339 queries
- 5,308 webpages inspected
- 95,419 keystrokes logged
- Basic misuse detection algorithms implemented on data set with accuracy of 80%
- Operating System stats

misusp



Graduate ~ Computer Science



Dr. David Grossman (Faculty Advisor) Computer Science



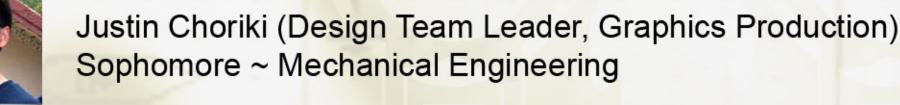
Dr. Nazli Goharian (Faculty Advisor) Computer Science



Sophomore ~ Computer Science

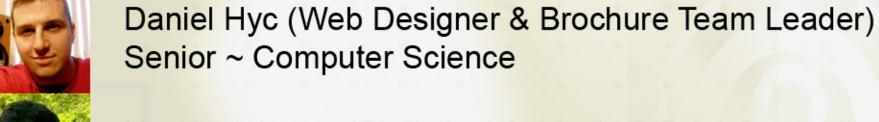


Young Cho Senior ~ Applied Mathematics





Senior ~ Computer Information Systems



Senior ~ Computer Science



Heeyeol Jeong (Statistical Analysis & Print Content) Senior ~ Electrical Engineering



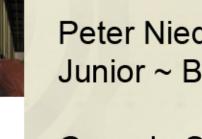
Jongmin Lim (Query Processing) Senior ~ Electrical Engineering/Applied Mathematics



Junior ~ Computer Science



Yacin Nadji Sophomore ~ Computer Science



Gerardo Sanchez



Senior ~ Civil Engineering



visit us at:

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0GB 2.1GB 0.2GB 0.7GB 3.5GB 5.4GB 8.3GB .3GB 7.2GB 10.6GB 11.8GB 9.5GB 11.3GB

Feb. 25 Mar. 4 Mar. 11 Mar. 18 Mar. 25 Apr. 1 Feb. 18

