

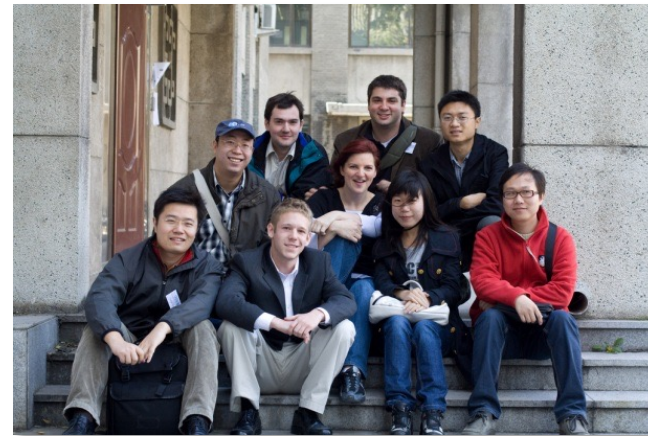
International Studies Information



Bernd Burgstaller
College of Computing
Yonsei University

International Studies

- Motivation
- Administration & Application Procedure
- Department-level Student Exchange
 - with Uppsala University
 - with Dalhousie University



Globalization in IT

1) Global markets imply **“One world, one software”**

- Software becomes global commodity
 - Cloud computing (Google docs & maps, Amazon EC2)
 - Mobile phone market places (iPhone App store, Google, Palm, aso)
 - Embedded software (Samsung, LG, Philips, ...)
- Issues in localization, HCI, culture, language

2) Distributed Software Development

- Used now by companies of all sizes
- Over half of the Fortune 500 companies
 - Software industry: Google, Microsoft, IBM, etc.
 - Other industries: telecom, cell phones, etc.

My Philips globalization experience:



DVD+RW



CS Education Globalization @ Yonsei University

Prepare students to work and lead in a global community of computing professionals.

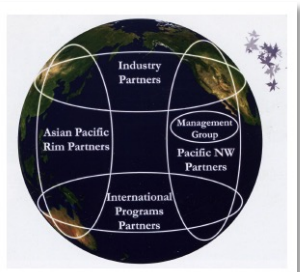


The University of Sydney

- ❑ Joint PhD Degree Yonsei Univ./Univ. of Sydney
 - jointly supervised PhD research
 - 1 year research stay at the University of Sydney



- ❑ Student Exchange Program with Uppsala University, Sweden & Dalhousie University, Canada
 - you can study abroad as an exchange student



- ❑ CPATHi18n Internationalization of Computer Science Education Project
 - revised CS curriculum

Why study abroad?

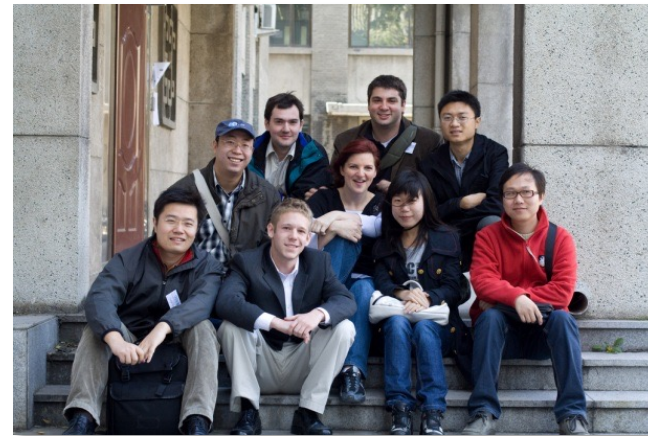
- You will learn English very well
 - + basic knowledge of a foreign language
- You will learn about new cultures
- An experience for life
- You experience how Computer Science is taught in other places
- Networking possibilities and friendships
- Looks good on your CV

Companies will look for “globalization-enabled” employees:

- Having that skill set gives competitive edge on job market
- Enhances job security

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Department-level versus University-level Exchange

- **Department-level exchange:**
 - The Yonsei University Department of Computer Science offers student exchange opportunities with...
 - Uppsala University's Department of Information Technology
 - Dalhousie University's Faculty of Computer Science.
- Called
host universities*
- **University-level exchange** (not covered in this lecture):
 - Yonsei University maintains exchange programs with many universities worldwide.
 - Not specific to CS.
 - Managed by the Yonsei University Office of International Affairs.

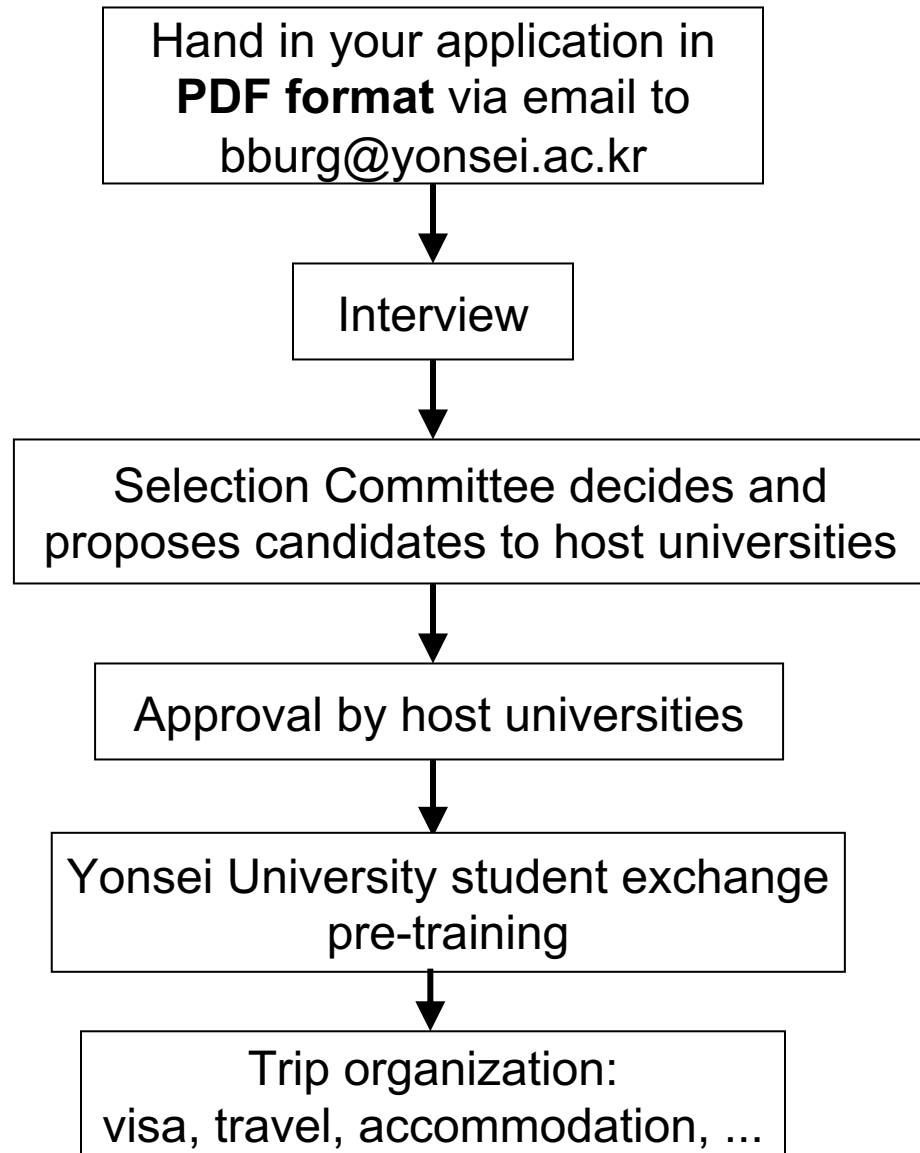
Department-level Student Exchange Fact Sheet

- Per host university, ~2 Yonsei students each semester can go.
 - Target students: juniors, seniors, early masters
 - It is not possible to go on exchange during the 8th semester.
- Study for 1 or 2 semesters at the host university
- Yonsei University tuition fees apply, paid to Yonsei University
- You need to cover
 - travel expenses, visa to the host country
 - accommodation
 - living costs
- Courses taken at the host university count towards your degree at Yonsei University
 - Your study plan needs to be confirmed first by the selection committee!

Requirements Checklist

- Good English communication skills 😊
- Spring 2024 is your 5th, 6th or 7th semester
- GPA at least 2.8/4.3

Application Procedure



- Applications are accepted all year long.
- Due-date Uppsala, Spring 2024:
 - Friday, Nov 3, 2023
- Due dates announced on the CS/AI department web pages.

Application Procedure (cont.)

- CS Department International Studies wiki
 - <http://elc.yonsei.ac.kr/pmwiki/>
 - Please check back regularly.
 - Contains guidelines...
 - Application form for you to fill in

- Applications will consist of the following parts:
 - 1) GPA and transcript of lectures (official pdf document, no screenshots!)
 - 2) Copy of TOEFL score or equivalent
 - 3) Statement of Purpose (SOP)
 - 4) **Study Plan**
 - See next slide

Study Plan for Uppsala University

- Please consult the course list of Uppsala University's IT department
 - <http://www.it.uu.se/education>
- Semesters @ Uppsala University consist of 2 periods!
 - ~ first half / second half of a semester
- Uppsala University uses a 3+2 year system:
 - 3 years for an undergraduate degree
 - 2 years for masters
- You need to make sure that your selected courses are offered in English.
- **You must meet the course prerequisites!**
- **You are expected to take a full course load (30 ECTS points)!**

Course Equivalences

- It is your responsibility to ensure that courses taken at the host university count towards your Yonsei University CS degree!

For each course you plan to take @ Uppsala or @ Dalhousie:

- consult with the local faculty member who teaches a similar/equivalent course at Yonsei University.
- This faculty member will grant you the equivalence.
- Needs to be done **before you go!**
- Otherwise, no **major credit** can be given!

Credit Transfer Uppsala → Yonsei

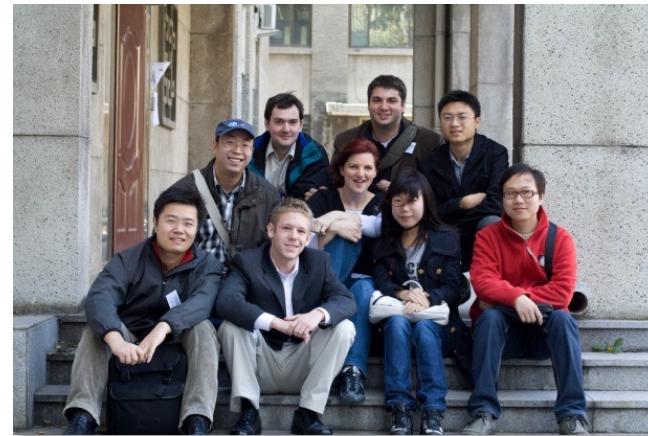
- Uppsala credit points are counted in ECTS points
 - “European Credit Transfer System”
- **1 ECTS credit = 0.5 Yonsei University credits**
- Examples:
 - 30 ECTS credits = 15 YU credits
 - → 6 courses a’ 5 ECTS each are counted as 5 YU courses!
 - 5 ECTS credits = $\lfloor 2.5 \rfloor = 2$ YU credits (**fractions cut off!**)

Student Exchange Pre-training

- Conducted by Yonsei University
- **Mandatory for outgoing exchange students!**
- Held each semester:
 - beginning of May (for Fall semester)
 - beginning of November (for Spring semester)
- Announced at the Yonsei University Homepage
Campus life menu -> International Programs -> Notice

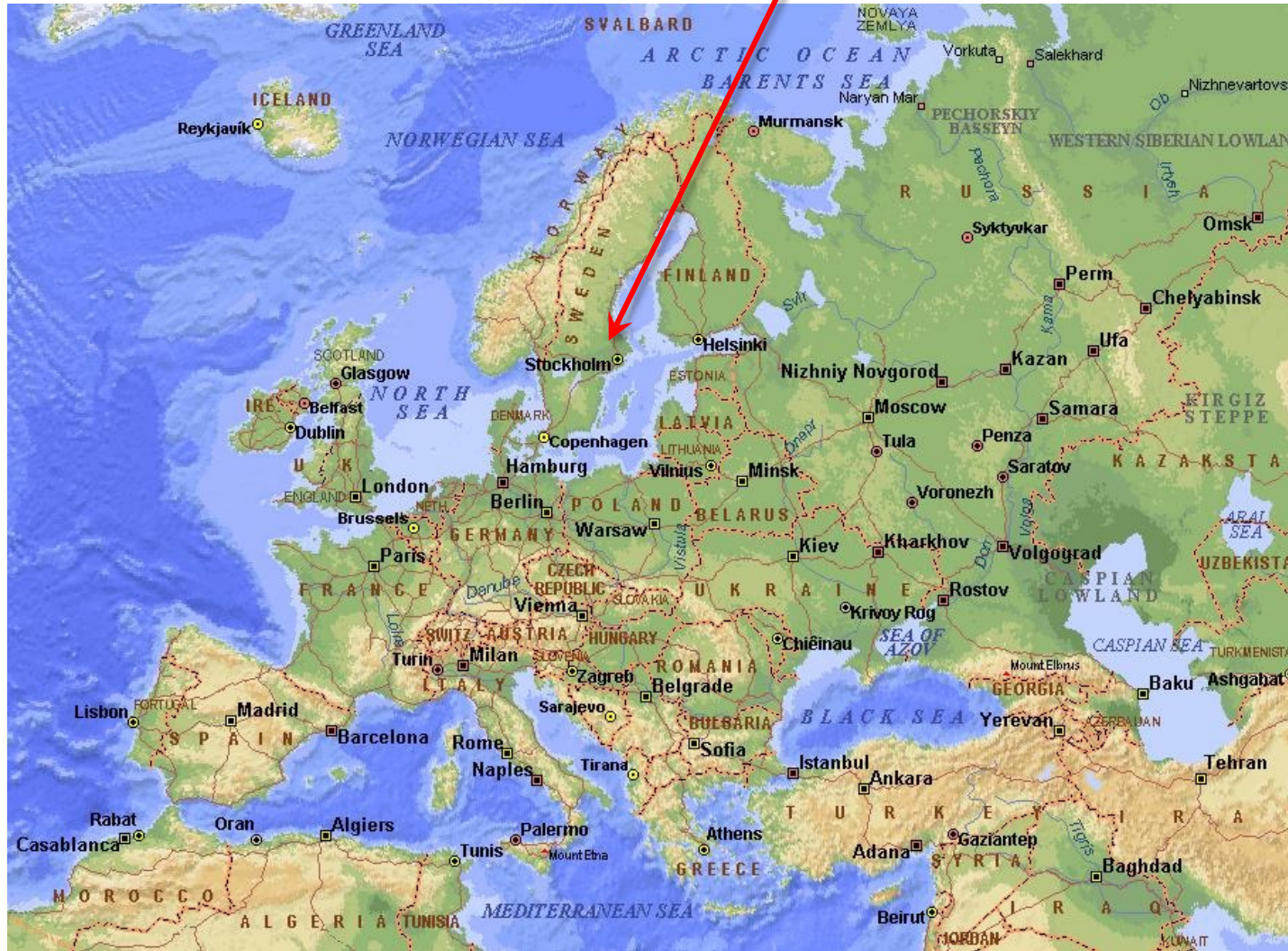
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Sweden and Uppsala

Uppsala



Sweden and Uppsala

- Uppsala University was founded in 1477.



Uppsala University

Nobel price winners from Uppsala University

- **Allvar Gullstrand** - Physiology and Medicine 1911
 - **Robert Barany** - Medicine 1914
 - **The Svedberg** - Chemistry 1926
 - **Nathan Söderblom** - Nobel Prize for Peace 1930
 - **Manne Siegbahn** - Physics 1924
 - **Arne Tiselius** - Chemistry 1948
 - **Dag Hammarskjöld** - Nobel Prize
for Peace 1961
 - **Kai Siegbahn** - Physics 1981
-
- Uppsala University is a
leading research university
 - #148 in Times Higher Education Ranking

*Alfred Nobel
invented dynamite*



Uppsala University

Many traditions.
Uppsala University Orchestra



Uppsala



Department of Information Technology

- Research oriented department
- Excellent teaching

- 200 employees, including PhD students
- 80 lecturers/professors, from all parts of the world
- 90 PhD students

- 14 educational programmes
- 150 course units a year
 - 10 course units is a full year for a student
- 15 – 20 % international students, all parts of the world
- Teaching in Swedish (basic courses), English (advanced courses) 50% in each language



Studying Computer Science in Uppsala

How is it done?

- Your results are your own responsibility =>
 You are your own boss
- Lectures, "lessons"/seminars, labs, exams
- Much project work, much collaboration
- Informal atmosphere
 - Ask questions
 - Use given names to teachers
- Good English and good communication skills are needed

Studying Computer Science, how?

- All advanced courses are taught in English
- Individual counselling
- The academic year divided into two semesters
 - End of August – End of December
 - Mid-January – Mid June
- Each semester is divided into two study periods



Anders Berglund, Director of Int.l collatoration



Ulrika Jaresund, Exchange Coordinator

Living in Sweden

- Life is expensive, count on **at least** SEK 5000/month (approx 850,000 KRW)
- You must show SEK 7100.-/month to get a visa.
- Examples:
 - between KRW 360,000 and KRW 580,000 for housing
 - ~ KRW 9000 for meal in University canteen
 - ~ KRW 14000 for meal in restaurant
- Uppsala located at 59°53'N, 17°38'E
 - Sunrise 9:45 am and sunset 2:50pm in January
 - Sunrise 3:47am and sunset 9:50pm in June
 - Takes some adaption.



Lodging

- Lodging normally of a good standard, but expensive, and is always adapted to the climate ☺



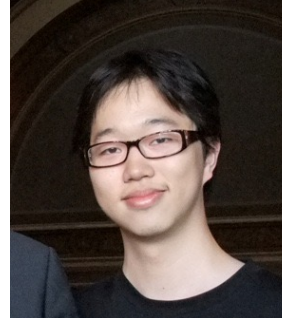
Why study in Uppsala?

Swedish research

- Uppsala University (largest and best ranked in Sweden in IT)
- Ericsson
- KTH (Royal Institute of Technology)

Swedish industry

- ABB - mechanical engineering
- Atlas Copco - mining and construction equipment
- AstraZeneca - Pharmaceuticals and Biotechnology
- Electrolux – kitchen equipment
- Ericsson - telecommunications and IT
- Tetra Laval - liquid food packaging
- Volvo, Saab and Scania - cars

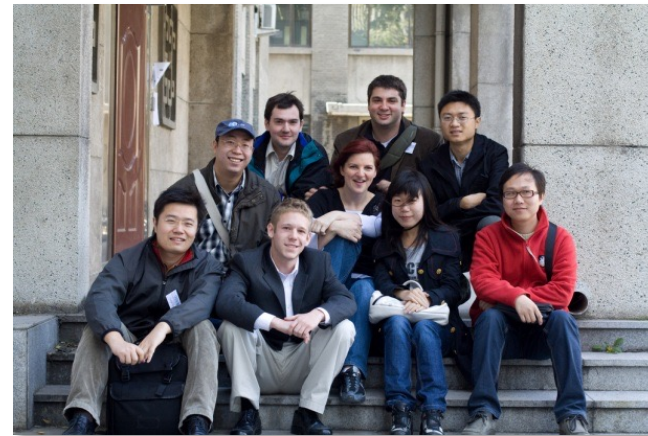


Reverb says hello:

- 給師大資工的學長姐、同學、學弟妹們：在世界第一流的大學中接受教育，與各國的優秀學生共同切磋學習；在歐洲歷史最久的大學城之一體驗北歐風情，享受文化衝擊的樂趣；廉價機票遊遍歐洲，每個週末都將是一次前往他國參觀遊覽的機會。這將會是個絕對不會讓你後悔的一年。
- *“To all the students at Yonsei University’s CS Department:
Getting education in one of the best universities in the world, and studying with the best students from all over the world;
Experiencing the North Europe life in one of the oldest university town, and enjoying the fun of culture shock; Low-price ticket to whole Europe, every weekend may be an opportunity to have a tour in other country.
This will be a year you definitely won't regret.”*

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Dalhousie University, Halifax, Canada



Halifax

- Seaside capital of Nova Scotia
- Old city (1749) – young spirit



- Multicultural
- Population
 - 400,000



Dalhousie University

- Founded in 1818
- 17:1 student faculty ratio
- 18,222 students (4,000 grad students)
- 1,080 faculty members
- 2,400 international students from 110 countries
- Among the top 350 universities in the world
 - Times Higher Education Ranking



- Goldberg Computer Science Building
 - 70,000 sq feet
 - Sunlit atrium, state-of-the-art labs, Learning Centre



- Mona Campbell Building
 - research floor

Dalhousie University Language Requirements

Test	Minimum Scores***
<u>International English Language Testing System (IELTS)*</u>	Overall: 6.5 Bands: 6.0
<u>Test of English as a Foreign Language (TOEFL)**</u>	Overall: 90 Bands: 20
<u>TOEFL at Home (online)</u>	
<u>Duolingo English Test**</u>	Overall: 115 Subscores: 95

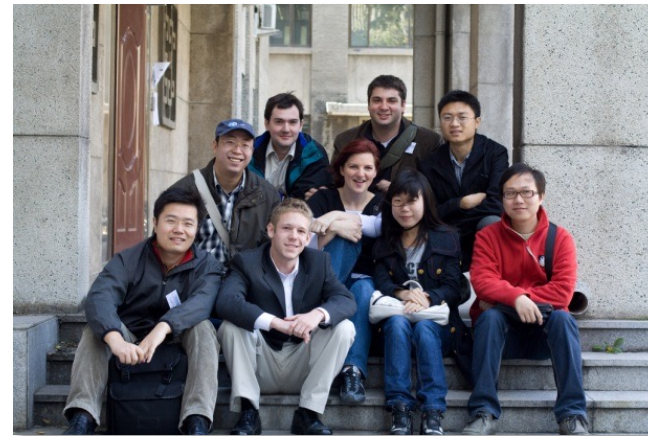
Test	Minimum Scores***
<u>Michigan English Test (formerly MELAB)</u>	55
<u>Canadian Academic English Assessment (CAEL) / CAEL Online**</u>	70
<u>Pearson Test of English – Academic**</u>	Overall: 61 Communicative skills scores: 50

For details, please refer to:

<https://www.dal.ca/admissions/international-students/admission-requirements/english-requirements.html>

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The old city in Stockholm, seen from the Town Hall



The Town hall of Stockholm



Outside the Town Hall



The old city of Stockholm, from a helicopter



The archipelago of Stockholm

30 000 islands



At a summer night





At winter time



Department of IT, Uppsala University



Acknowledgements

- Slides about Uppsala University courtesy of Professor Anders Berglund, Uppsala University.
- Slides about Dalhousie University courtesy of Professor Philip T Cox, Dalhousie University.
- All other slides (C) Yonsei University, 2023.