

INFO1010

Week 2
Towards a skills audit
Su White October 2010





approach

- This class will be run as an interactive discussion
- The objective is that understanding and learning will be achieved through
 - individual reflection
 - small group discussion
 - brief in class exercises
 - Plenary discussion with the class





Four parts

- Context setting
- ECS graduates
 - where they go
 - what they do
- What you can do
- Skills in your group



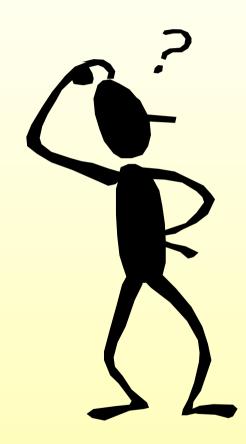




What do I know?

1. In your tutor groups
Identify one thing which

I know for certain
about all the people
who should be
attending this class
today?



Apart from the fact that they should be attending today ;-)





What do you know?

In your tutor groups

Identify some things which

** you know for certain**

about the degree programme you are enrolled on

Identify some things which

** you know with a high degree of confidence**

about the degree programme you are enrolled on





What did you think?

Feedback from class





CS and ITO graduates jobs?

Have a think...in small groups

- What destinations?
- What sort of salaries?

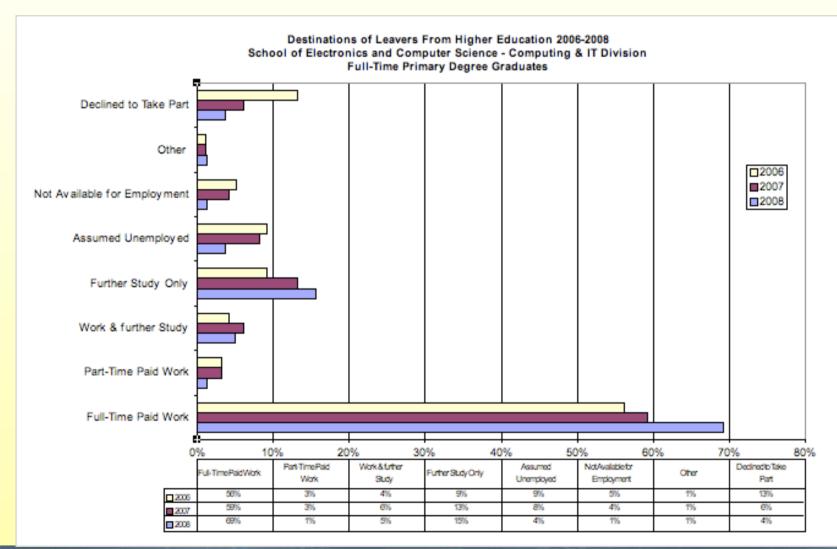
Feedback around the class

Lets look at the real data





Destinations 2008

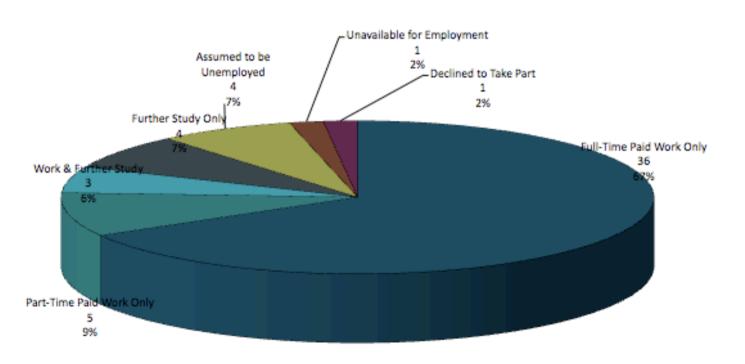






Last year

Destinations of Leavers from Higher Education 2009
Electronics & Computer Science
Computing & IT Division
Full-Time Primary Degree Leavers
(known destinations only)



Looking at the figures

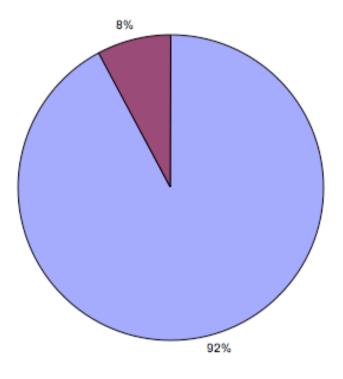
From what I know of our graduates last year many not on the formal return were successful in gaining work by the end of the summer vacation





Specialist Destinations?

Destinations of Leavers From Higher Education 2008 School of Electronics and Computer Science Full-Time Primary Degree Computer Science Graduates







Typical jobs

- SOFTWARE ENGINEER
- IT ENGINEER
- SHOP ASSISTANT
- COMPUTER ANALYST
- GRADUATE TRAINEE
- PROJECT CONTROL ANALYST
- FINANCIAL SOFTWARE DEVELOPER
- JUNIOR SOFTWARE ASSISTANT
- JUNIOR SOFTWARE ENGINEER
- SENIOR DEVELOPER
- SOFTWARE DEVELOPER
- SOFTWARE ENGINEER
- COMPUTER PROGRAMMER
- ENTERPRISE TECHNOLOGY AND DELIVERY
- ANALYST
- GRADUATE TRAINEE
- WEB DEVELOPER
- ACA TRAINEE
- IT ASSISTANT
- GRADUATE TRAINEE IN IT

- •GRADUATE SYSTEMS DESIGNER
- •JUNIOR WEB DEVELOPER
- WEBPAGE EDITOR
- •LIVE MEDIA DESIGNER
- ANALYST
- •GRADUATE JUNIOR PROGRAMMER
- RESEARCH ENGINEER
- SOFTWARE DEVELOPMENT
- SOFTWARE ENGINEER GRADUATE RESEARCHER
- •SOFTWARE DESIGNER
- •SOFTWARE DEVELOPER
- SOFTWARE DEVELOPMENT
- •TRAINEE SOFTWARE ENGINEER
- •ANALYST PROGRAMMER
- •COMPUTER PROGRAMMER
- **•**CONTENT DEVELOPER
- PROGRAMMER INFORMATION ANALYST
- •UK EXECUTIVE PRODUCER
- •FREELANCE IT CONSULTANT
- GRADUATE CONSULTANT
- •IT ASSOCIATE
- •SOFTWARE ENGINEER

- TECHNICAL PROJECT ASSISTANT
- BACK OFFICE
- COMPUTER PROGRAMMER ANALYST
- CUSTOMER SALES EXECUTIVE
- ICT SUPPORT TECHNICIAN
- ACCOUNT MANAGER
- MANAGER
- CONSULTANT
- IT CONSULTANT
- SOFTWARE DEVELOPER
- TECHNICAL ENGINEER
- TECHNICAL SPECIALIST
- CHANGE ANALYST
- SENIOR IT ANALYST
- JUNIOR WEB DEVELOPER AND GRAPHIC
- DESIGNER
- WEBSITE MERCHANDISER
- IT GRADUATE ENGINEER
- SOFTWARE ENGINEER
- IMPLEMENTATION CONSULTANT





Sectors

- SOFTWARE ENGINEERING
- IT SERVICES
- SELLS BIKES
- BANKING AND FINANCIAL MANAGEMENT
- ELECTRONIC ENGINEERING
- IT OUTSOURCING
- DEVELOPS FINANCIAL SOFTWARE
- SUBTITLING SYSTEMS
- TELECOMMUNICATIONS
- RESEARCH INTO LEARNING SYSTEMS
- FLIGHT DATA MONITORING
- PROVIDES FINANCIAL SOFTWARE TO INVESTMENT PROFESSIONALS
- GAMING
- INVESTMENT AND COMMERCIAL BANKING
- FUND MANAGEMENT
- DIGITAL MEDIA COMPANY
- OFFERS AUDIT/ACCOUNTING ETC. SERVICES
- RESEARCH
- INVESTMENT BANKING
- UNIVERSITY EDUCATE
- BANK
- EDUCATION

- SOFTWARE PRODUCTS
- BESPOKE SOFTWARE DEVELOPMENT
- COMPUTER PROGRAMMING
- DEVELOPS & MAINTAINS ONLINE GAMES
- DEVELOPS & PUBLISHES COMPUTER GAMES
- •LIFE INSURANCE
- UNIVERSITY
- ONLINE DELIVERY FOR WAITROSE
- •STUDENTS' UNION
- BANKING
- WRITES COMPUTER GAMES
- •WRITES SOFTWARE
- •SOFTWARE DEVELOPMENT
- •IT ORGANISATION
- •DEVELOPS & MARKETS BUSINESS PROCESS
- MANAGEMENT SOFTWARE
- RESTAURANT
- CONSULTANCY
- CONSULTANCY SOFTWARE DEVELOPMENT
- •FINANCIAL SOFTWARE
- PROVIDE IT BUSINESS SOLUTIONS
- •PRODUCE SERVERS, MIDDLEWARE etc
- FINANCE INFORMATION

- INFORMATION TECHNOLOGY
- OUTSOURCING IT SYSTEMS
- BANKING
- PROFESSIONAL TRAINING.
- RETAILS DIY GOODS THROUGH INTERNET & STORES
- BRITISH AIRWAYS
- ACCOUNTING & FINANCE
- BANK
- FLEXIBLE BENEFITS SOLUTIONS
- MORTGAGE BROKERS
- MAKES TV PROGRAMS, COVERS MAJOR FASHION WEEKS, MUSIC VIDEOS
- SEO & INTERNET APPLICATIONS FOR CLIENTS
- IT SERVICES
- INVESTMENT MANAGEMENT
- TELECOMMUNICATIONS
- SOFTWARE DEVELOPMENT
- GAMBLING SOFTWARE SPORTSBOOK FOGS
- COMPUTER GAME DEVELOPMENT
- INVESTMENT BANKING





PhD/MSc

- 4 go on to University of Southampton
- 3 go on to other further study destinations





Destinations 2008

- ROYAL BANK OF SCOTLAND
- THOMSONS ONLINE BENEFITS
- IN DIGITAL MEDIA
- MOMENTUM WEB SOLUTIONS
- EDS
- CAPITAL GROUP COMPANIES (CAPITAL
- INTERNATIONAL)
- BT
- ORBIS TECHNOLOGY
- FACTSET PACIFIC
- NOT ENTERING
- IBM
- DORSET SOFTWARE SERVICES LTD
- JAGEX
- CODEMASTERS
- NORWICH UNION LIFE
- UNIVERSITY OF SOUTHAMPTON
- WAITROSE

- ARENAC
- HARGREAVES CYCLES
- MERRILL LYNCH
- •CSC
- •BLOOMBERG LP
- **•SCREEN SUBTITLING SYSTEMS LTD**
- NOKIA
- •LSL, UNIVERSITY OF SOUTHAMPTON
- •FLIGHT DATA SERVICES LTD
- FACTSET RESEARCH SYSTEMS
- BIZARRE
- •BANK OF AMERICA
- •M&G INVESTMENTS
- COGAPP
- •PRICEWATERHOUSE COOPERS
- UNIVERSITY OF SOUTHAMPTON
- •GOLDMAN SACHS
- **•UNIVERSITY STUDENTS UNION**
- •HBOS

- UNIVERSITY OF SOUTHAMPTON
- HSBC
- KING ECGBERT SCHOOL
- ORBIS SOFTWARE
- DETICA
- IBM UK LTD
- SSP
- ULTIMA BUSINESS SOLUTIONS
- STERIA
- BARCLAYS BANK HEAD OFFICE
- MATCHETT
- B&Q STORE SUPPORT OFFICE
- BRITISH AIRWAYS
- JP MORGAN
- CLIMAX
- IT INNOVATION CENTRE
- ORBIS TECHNOLOGIES
- MATRIX DATA SOLUTIONS





Salary Range on First Job

•	high salary?	£40,000 top salary	bu	ıt	40000
		This year £30,000		over half of the	24000
•	low salary?	£17,000 low salary		respondents did	22000 32000
	A	This year £18,000		not provide details	30000 32000
•	Average salary?	£24,000 avg salary	•	May have been	17000
		This year £23,250		the lower paid	24000
•	Median Salary?	£24,000 median salary	/	jobs	17000 27000
		This year £23,000	•	Jobs may have	25000
	What matters is that you find what is right for you :-)			rapid increases	20000
				in early years	20000
		9			23000
Sofind out now what might be right for you			•	Jobe may mare	27000
				been stop gaps	30000
	23.75.70	9-3-			25000





What to do?

 How can you make your university career work for you?

Places to go, things to do

- Not the only things by a long way
- More will be covered in later classes





ECS Careers Hub



http://www.ecs.soton.ac.uk/careers/





Current on Careers Hub

	♦ Company	† Type	Date Closes
Junior Systems Administrator	Gloucester Research Ltd	placement	Nov 29, 2010
Graduate Opportunities	Credit Suisse	permanent	Jan 25, 2011
Electrical Engineer	Glaxo Smith Kline	placement	Jan 22, 2011
Tech Opportunities	Trafigura	permanent	Dec 24, 2010
Java Developer	Querix UK	permanent	Dec 24, 2010
Front end web developer	evolutionofsearch	contract	Dec 24, 2010
Software Analyst	Querix UK	permanent	Dec 24, 2010
E-Learning Assistants	University of Southampton	placement	Dec 6, 2010
Software Engineers	Recruitment Agency	permanent	Dec 1, 2010
<u>IT Trainees</u>	Henderson	internship	Dec 1, 2010
Web Developer	Mango Digital	permanent	Nov 23, 2010
Software Developer	BRM Fusion	permanent	Nov 9, 2010
Software Developer	V7 Technology	permanent	Nov 9, 2010
Software Analyst	Querix UK	permanent	Nov 9, 2010
Electronics Engineers	WheelRight Ltd	permanent	Nov 5, 2010
Software Engineers	WheelRight Ltd	perm	Nov 5, 2010
GIS Developer	ESRI (UK) Ltd	permanent	Nov 5, 2010
Software Developer	Aplos Systems	permanent	Nov 5, 2010
Software Engineers/Developers	MBA Systems	permanent	Nov 3, 2010
Software Engineer	REAPsystems Ltd.	permanent	Oct 26, 2010
Graduate Design Engineer	Imagination Technologies	permanent	Oct 26, 2010
Graduate	De La Rue	permanent	Oct 26, 2010
PHP Drupal CMS Developer	Actimage	placement	Oct 26, 2010
Java/.Net Developer	Actimage	placement	Oct 26, 2010
PHP Developer	Actimage	placement	Oct 26, 2010
Graduate Software Developer	Koios	permanent	Oct 26, 2010





Career Destinations

University Links: Home page | Site map | Accessibility

Career Destinations

Southampton

☐ 08 October 2010

□ 08 October 2010

BT Graduate

Development

Programmes @ 08 October 2010 Southampton student

graduates

Airbus Fly Your Ideas

Challenge - 2010/2011

nominated as one of the

country's top 100

☐ 07 October 2010

Dynamo Enterprise Boot Camp 2 day

Careers Students Staff Employers Home and Graduates





Exciting Job Vacancies Available - Apply Today

Please go the vacancies section of the student portal where you will be able search for the latest vacancies from a wide range of employers including Abercrombie & Fitch, Allen & Overy, BAE Systems, Yahoo! and many many more - all looking to specifically recruit University of Southampton



Career Destinations

STUDENTS AND GRADUATES

Supporting undergraduates, postgraduates and graduates to move towards a successful future. Also information about our new Graduate Passport scheme.





Graduate

Attributes

EMPLOYABILITY

There are many ways of thinking about 'employable' graduates and there are diverse views about the ways in which employability can be enhanced. Use this information to help improve your chances.





GLOBAL OPPORTUNITIES

Working abroad can be a great life experience; here you'll find information on practicalities.





Book a Careers

Appointment

Working with Academic Schools to enhance the career management skills and employability of



DEGREE SUBJECT SPECIFIC MICROSITES

Targeted careers information and advice helping you build on the strengths of your subject.



Helping regional, national and multinational employers to meet your work experience and graduate recruitment needs



There is a wide range of definitions on what enterprise is and what it means to be enterprising



November) ☐ 06 October 2010 International

Development Autumn Careers Conference (7th October)

01 October 2010 Behind the scenes: Career routes in the visual arts

More news stories.

Vacancies at the University of



WORK EXPERIENCE AND VOLUNTEERING

ENTERPRISE

Work experience (such as a work placement or internship) can greatly improve your employability. A good degree is still important, but work experience allows you to develop additional skills and qualities.

This section will provide you with some answers to creating your own enterprise



Practice

Tests

http://www.soton.ac.uk/careers/







☐ 06 October 2010 Wessex Branch **Psychology Careers** Conference (20th





SUSU employability

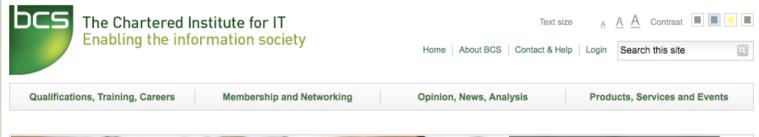


http://getajob.susu.org/

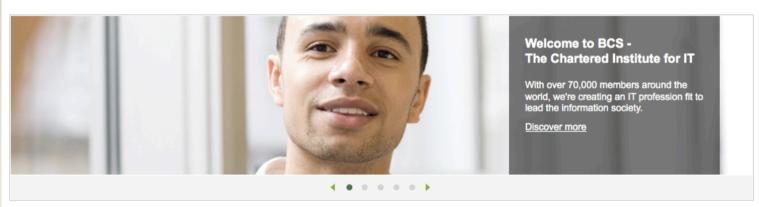




BCS: your professional body



http://www.bcs.org/ your professional body



About us

BCS, The Chartered Institute for IT, promotes wider social and economic progress through the advancement of information technology science and practice.

We serve over 70,000 members including practitioners, businesses, academics and students, in the UK and internationally.

Watch our short film | More about us | Join today



Video Debate

Watch our first debate as The Chartered Institute for IT.

John Humphrys spoke to a panel of leading industry figures about whether IT can lead the UK out of recession.

Watch the debate



Feature

Featured qualification

Member Network





Networking, careers etc..



Events

Local Reps

YPG OneTeam

Awards & Competitions

Contact Us

Forums



It gives me great pleasure to welcome you to the Young Professionals Group (YPG) website. With nearly 23,000 members, we are the largest membership group within BCS and are dedicated to supporting and representing those in the foundation years of their career.

Run almost entirely by volunteers, we are an energetic group who work collectively on a variety of initiatives throughout the UK, such as networking and soft skills events - all of which aim to benefit our members and the wider IT profession.

Please feel free to contact us if you have any comments, queries or wish to get more actively involved. We would be delighted to hear from you.

Jennifer Hewitt, YPG Chairman

why not join the YPG group, say hello, meet fellow YPG members and post discussions?

YPG on LinkedIn Contact other YPG members through our LinkedIn group.



BCSrecruit.com

Find your perfect job Register now on the official BCS jobsite and find your perfect job in IT.

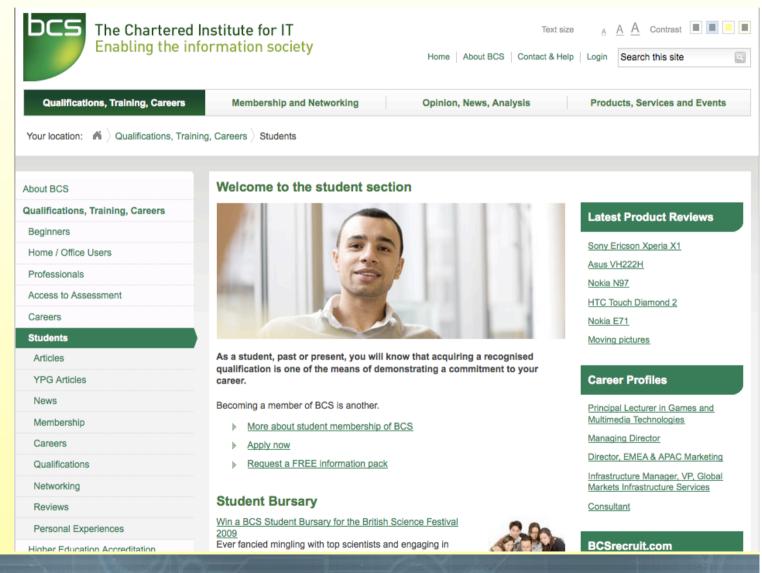


Student Focus





Student membership...









Academic Skills

Academic Skills are all about helping you learn how to be a more effective learner and develop the research skills that will help you now and in the future. Use these resources to find out what works for you.

- New! Academic Skills Podcasts
- Study Skills Toolkit

Enrol yourself on this Blackboard course which is packed with interactive learning materials. **Additional topics are available for 2008-09.**

Getting Started with Academic Skills

Start with these quick-reference guides to gain a overview and lots of practical tips.

Developing Your Academic Skills

Use this series of printable activity-based study guides to improve your skills.

Advice from the Students' Union Advice and Information Centre

http://www.academic-skills.soton.ac.uk/ Publications on Academic Integrity and How to Study Successfully.

Further reading on Academic Skills

A few carefully-selected books and Web resources.





Networking for understanding, contacts,++







Focus:

Qualities found in a good CS/IT undergraduate

enthusiastic

Self aware

Can work In a team

Good Communicator

Creative

Self motivated

In your groups what skills will an employer look for?





Skills in your group?

- Individually
 - make a quick list
 - What you have
 - What you want
 - What you avoid
- As a group
 - draw up a matrix
 - What you have
 - What you could have (soon;-)

Round the class feedback







Suggested follow up activities

Short Term

- Reflect on your future, what do you want, how are you going to get it
- Make use of opportunities SUSU and ECSS are good starting points
- Check out the service provided by Careers Destinations

Longer Term

- Plan your summer work with a specific objective
- Think about how you can link academic and work objectives
- Keep thinking ©





references

- Use the academic skills web site, it provides links to a range of resources
 - http://www.academic-skills.soton.ac.uk/
- Look at professional organisations
- BCS website http://www.bcs.org/
- IET http://www.theiet.org/
- IEEE http://www.ieee.org/
- ACM http://www.acm.org/

For ideas about what skill our employers are looking for Computer Weekly (includes job search)

Association of Graduate Recruiters (linked from EdShare)

