Block 1

Hello and welcome!

Thank you for your willingness to participate in our survey. The goal of the survey is to obtain feedback on the University of Auckland's Software Engineering degree programme to ensure it is relevant to industry. Your responses will help us improve our programme.

The participant information sheet (PIS) contains important information for participants, and you are required to read it before proceeding with the survey. You can access the PIS at http://kblincoe.github.io/survey/UOA_SE_PIS_Alumni.pdf.

If you do not wish to take part in this survey, or if you do not agree with the conditions stated in the PIS, you may leave this survey by closing this window.

By clicking on "Next" you agree to the following:

"I am 16 years of age or older. I have read and understood the information describing the aims and content of this project. I understand that by submitting this survey electronically, I agree to participate in the project under the terms detailed in the supplied PIS."

Approved by the University Of Auckland Human Participants Ethics Committee on 28 June 2016 for three years. Reference Number 017756.

Default Question Block

What year did you complete your Software Engineering degree at University of Auckland?

What is your age?

- 20-25
- 26-35
- 36-45
- 46-55
- 55+

What is the highest level of education you have completed?

- Bachelors degree
- Honours degree
- Masters degree
- Doctoral degree

What is your gender?

- Male
- Female
- Gender diverse

Are you still working in the SE industry?

- ○ Yes
- ○ No

How many years of experience do you have in the Software Engineering industry?

What is your current job title?

e.g. Senior Software Engineer, Software Developer, Software Designer, etc.

What are the roles and responsibilities of your current job?

e.g. Designing, coding and debugging applications in various software languages; Software testing and quality assurance; Project Planning and Project Management; etc.

How important are each of these abilities / knowledge areas to your current primary activity?

	Not at all important	Slightly important	Moderately important	Very important	Extremely important
Requirements engineering	○	○	○	○	○
Software design	○	○	○	○	○
Software	○	○	○	○	○

architecture					
Programming	○	○	○	○	○
Object orientated software development	○	○	○	○	○
Software testing	○	○	○	○	○
Software quality	○	○	○	○	○
Agile and lean software development	○	○	○	○	○
Data structures and algorithms	○	○	○	○	○
Human computer interaction (HCI)	○	○	○	○	○
Computer graphics	○	○	○	○	○
Database systems	○	○	○	○	○
Mathematical modelling	○	○	○	○	○
Computer security	○	○	○	○	○
Machine learning	○	○	○	○	○
Formal specification & design	○	○	○	○	○
Operating systems	○	○	○	○	○
Digital systems design	○	○	○	○	○
Computer graphics and image processing	○	○	○	○	○
Computer networks	○	○	○	○	○

Microcomputers	○	○	○	○	○
Embedded systems	○	○	○	○	○
Artificial intelligence	○	○	○	○	○
Software development methodologies	○	○	○	○	○
Parallel and distributed computing	○	○	○	○	○
High performance computing	○	○	○	○	○
Robotics & intelligent systems	○	○	○	○	○
Algorithms for optimisation	○	○	○	○	○
Project management	○	○	○	○	○
Working in a team	○	○	○	○	○
Working independently	○	○	○	○	○
Solving problems independently	○	○	○	○	○
Solving problems in a team	○	○	○	○	○
Communication skills	○	○	○	○	○
Professionalism	○	○	○	○	○
Ethics	○	○	○	○	○

Rate yourself on each of the following abilities. We want your most accurate estimate on how you see yourself.

	Very weak	Weak	Moderate	Strong	Very Strong
Requirements engineering	○	○	○	○	○
Software design	○	○	○	○	○
Software architecture	○	○	○	○	○
Programming	○	○	○	○	○
Object orientated software development	○	○	○	○	○
Software testing	○	○	○	○	○
Software quality	○	○	○	○	○
Agile and lean software development	○	○	○	○	○
Data structures and algorithms	○	○	○	○	○
Human computer interaction (HCI)	○	○	○	○	○
Computer graphics	○	○	○	○	○
Database systems	○	○	○	○	○
Mathematical modelling	○	○	○	○	○
Computer security	○	○	○	○	○
Machine learning	○	○	○	○	○
Formal					

specification & design	○	○	○	○	○
Operating systems	○	○	○	○	○
Digital systems design	○	○	○	○	○
Computer graphics and image processing	○	○	○	○	○
Computer networks	○	○	○	○	○
Microcomputers	○	○	○	○	○
Embedded systems	○	○	○	○	○
Artificial intelligence	○	○	○	○	○
Software development methodologies	○	○	○	○	○
Parallel and distributed computing	○	○	○	○	○
High performance computing	○	○	○	○	○
Robotics & intelligent systems	○	○	○	○	○
Algorithms for optimisation	○	○	○	○	○
Project management	○	○	○	○	○
Working in a team	○	○	○	○	○
Working independently	○	○	○	○	○
Solving problems independently	○	○	○	○	○
Solving problems in					

a team	○	○	○	○	○
Communication skills	○	○	○	○	○
Professionalism	○	○	○	○	○
Ethics	○	○	○	○	○

How satisfied are you with the University of Auckland Software Engineering degree programs' contribution to your development in each area?

	Extremely dissatisfied	Somewhat dissatisfied	Neither satisfied nor dissatisfied	Somewhat satisfied	Extremely satisfied
Requirements engineering	○	○	○	○	○
Software design	○	○	○	○	○
Software architecture	○	○	○	○	○
Programming	○	○	○	○	○
Object orientated software development	○	○	○	○	○
Software testing	○	○	○	○	○
Software quality	○	○	○	○	○
Agile and lean software development	○	○	○	○	○
Data structures and algorithms	○	○	○	○	○
Human computer interaction (HCI)	○	○	○	○	○

Computer graphics	○	○	○	○	○
Database systems	○	○	○	○	○
Mathematical modelling	○	○	○	○	○
Computer security	○	○	○	○	○
Machine learning	○	○	○	○	○
Formal specification & design	○	○	○	○	○
Operating systems	○	○	○	○	○
Digital systems design	○	○	○	○	○
Computer graphics and image processing	○	○	○	○	○
Computer networks	○	○	○	○	○
Microcomputers	○	○	○	○	○
Embedded systems	○	○	○	○	○
Artificial intelligence	○	○	○	○	○
Software development methodologies	○	○	○	○	○
Parallel and distributed computing	○	○	○	○	○
High performance computing	○	○	○	○	○

Robotics & intelligent systems	○	○	○	○	○
Algorithms for optimisation	○	○	○	○	○
Project management	○	○	○	○	○
Working in a team	○	○	○	○	○
Working independently	○	○	○	○	○
Solving problems independently	○	○	○	○	○
Solving problems in a team	○	○	○	○	○
Communication skills	○	○	○	○	○
Professionalism	○	○	○	○	○
Ethics	○	○	○	○	○

If you not satisfied with the University of Auckland Software Engineering degree programs' contribution to your development in any of the areas in the previous question, please provide the reasons for this response or any comments around these responses here

If you had to name one thing missing from your SE degree that would be the most useful in your career, what would it be?

What was the most beneficial aspect of your SE degree?

Do you believe you benefited from obtaining a four year Software Engineering degree over a Computer Science degree?

- ○ Yes
- ○ No

Please explain your response to the above question

In your experience, is there a difference in the skill set of an SE graduate and the skill set of a graduate of a Computer Science degree?

- ○ Yes
- ○ No

If yes, what is the difference?

Future contact. If any of the below are selected, please provide your contact details below.

- ☐ I would like to further discuss the SE degree program with UoA faculty members
- ☐ I am happy to be contacted if you want to learn more about my responses

- [ ] I would like to have a summary of the final results
- [ ] I am interested in learning more about software engineering research initiatives at UoA and how I could benefit from such research

Name (optional)

Contact details (optional)

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