

Building for business means  
building better graduates.

# About me

- Karl Stafford
- WICTGS Industry Engagement Manager
- Formerly with Trade Me in Wellington
- Victoria University Alumni
- Unfortunate Auckland Warriors fan



# About the Graduate School

Government Initiative which key aims are to:

- develop ICT graduate skills and attributes sought by industry;
- provide students with real-world learning experiences;
- create clear pathways into employment for students and reduce the search costs for businesses seeking skilled graduates;
- build stronger collaborative relationships between businesses and tertiary providers; and,
- advance innovative industry-relevant knowledge and technologies to provide businesses with greater visibility and access to our top ICT student and academic talent.

Consortium of Victoria University of Wellington, Weltec and Whitireia.



# Courses we teach

Victoria University deliver:

- Master of Software Development;
- Master of Professional Business Analysis;
- Master of User Experience Design; and,
- Master of Design Technology;

Whitireia and Weltec deliver:

- Master of Information Technology;
- Post-graduate Certificate in Information Technology; and,
- Post-graduate Diploma in Information Technology.



# Going back to the mandate

We must:

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# What are the skills missing in the skills shortage?

- There isn't a tech skills shortage as we've been led to believe.
- The technical skills being taught are fine. Undergraduates from all leading tertiary providers are doing a great job.
- 9/10 students fail in their final interview because they fail to articulate and communicate their answers to interview questions.
- Software is built collaboratively using agile as a delivery mindset; but traditional teaching methods promote individuality.
- We need to teach the students to be more assertive and learn leadership skills.



# How on earth do you teach soft skills in a University?







## Master of Software Development Student Snapshot

### Degrees before enrolling with WICTGS

Diverse range of qualifications including a PHD, Master of Strategic Studies and a Chartered Accountant. The most common qualification is a Bachelor of Science.



BSc 29%



Bcomm 19%



BA 19%



Work in groups to deliver software projects.



### Top 3 interests

1. Analytics
2. Cyber Security
3. AI/ML

Combined over 120 years full-time work experience, including:



Marketing



Accounting



Music



Consultancy

[www.wellingtonict.ac.nz](http://www.wellingtonict.ac.nz)

## Master of Professional Business Analysis Student Snapshot



Male:  
46%



Gender split

Female:  
54%



### Potential Job Opportunities



- > Business Analyst;
- > Systems Analyst;
- > Requirement Analyst;
- > Business Architect;
- > BI Analyst

### Previous Qualifications

A number of under-grad and post-grad degrees going into the course including 3 Master's degrees, 1 MBA and 2 technical degrees in Computer Science.



BSc  
21%



BA  
17%



BCom  
17%

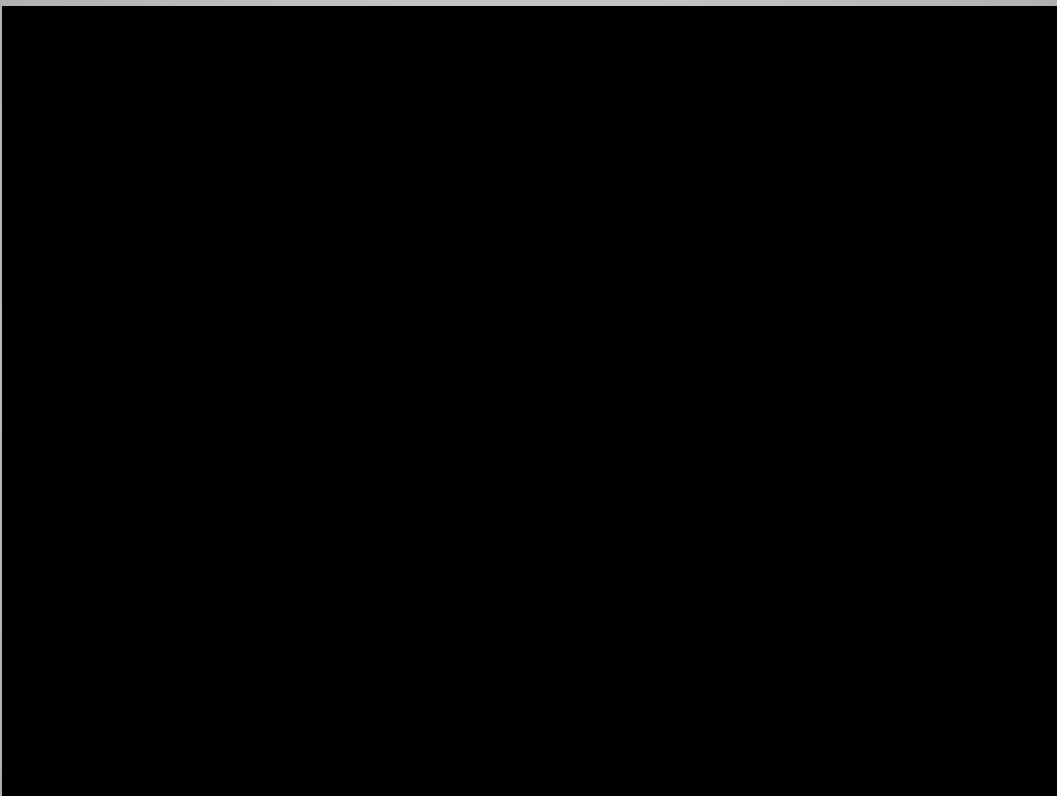
### Delivered by:



### Outcomes

Communication      Analytics & Databases  
Organisational      Enterprise Architecture  
Behaviour      IT Strategy      Process Design  
IT Consultancy      Project Management

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## This is MyBlueprint.

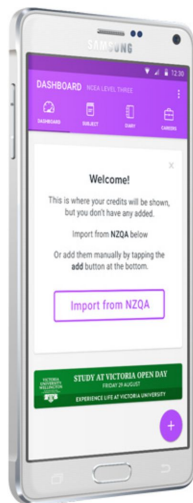
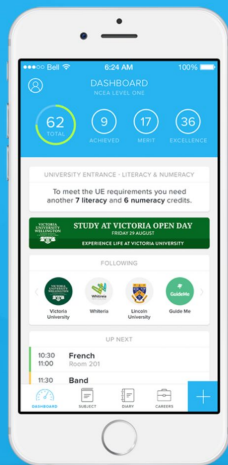
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[www.myblueprint.co.nz](http://www.myblueprint.co.nz)



"We're on a mission to revolutionise education by creating revolutionary educational products."

Wasim Talim is a Victoria University student and Rongotai College old boy. He's passionate about all things technology and is inspired by many tech entrepreneurs, including the likes of Kevin Rose, Gurbaksh Chahal and Paul Graham.

Wasim dreams Blueprint will one day become a recognised New Zealand brand, that students and schools all across New Zealand will use.

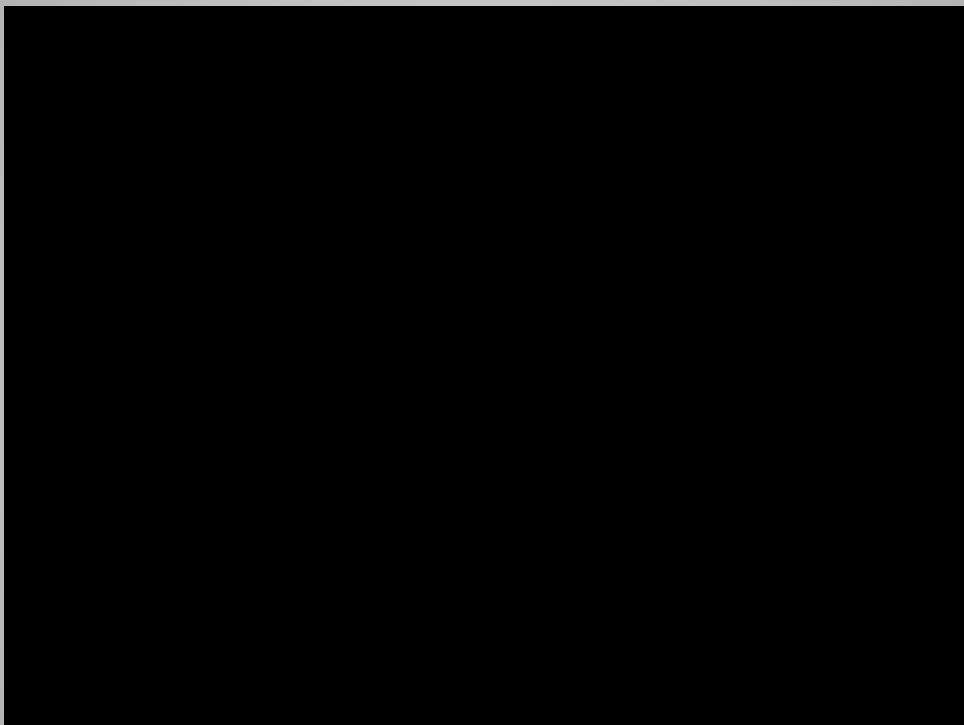


"Blueprint is just the beginning for Kintal Apps! Watch this space."

Jeff King is currently the Deputy Principal at Rangitikei College in Marton. He loves travel and has had a colourful teaching career working in Japan, UK, and UAE.

Jeff's passionate about technology in schools and believes the internet is the biggest game changer education has ever seen. He wants the app to be the "go-to" tool for kiwi students to navigate their way around NCEA, as well as plan their life beyond school.







# Build a proof of concept for a company and learn.

CV Builder Tool

Personal Details

Personal Statement

Employment

Volunteer Work

Education

Personal Attributes

Achievements & Awards

References

Finish

### Employment (optional)

Although this section is optional, it is probably the most important. Always start with the most recent experience first.

Company:

The Warehouse

Start date:

January 2013

End date:

March 2015

Job Title:

Checkout

What did you do there?:

Working in checkout  
Stock take  
Closing shop

Company:

Burger King

Start date:

February 2010

End date:

May 2012

Job Title:

Crew Member

What did you do there?:

Making burgers  
Cashier

Add Another Entry

Remove Last Entry

Back

Save & Exit

Next

What did you do at the job? What did you excel at there? What were you responsible for? We recommend 3-4 lines of responsibilities for each job. You should be descriptive, but succinct. Try to keep each to 12 words or less.

CV Builder Tool

Personal Details

Personal Statement

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Personal Attributes

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Finish

### Personal Attributes\*

Pick up to 6 attributes by clicking on those that best describe you to future employers

<b>Accurate</b> Careful, precise, free from error.	<b>Adaptable</b> Able to adapt oneself to new surroundings; to make suitable change so as to fit new conditions.	<b>Alert</b> Watchful, wide awake, ready to act.	<b>Ambitious</b> Full of ambition, strong desire to do something.
<b>Amiable</b> Feeling and inspiring friendliness; lovable.	<b>Analytical</b> Employing analytic methods; separating things into their parts or elements.	<b>Articulate</b> Able to express oneself clearly; do not mumble.	<b>Assertive</b> Insist on one's rights or opinions.
<b>Attentive</b> To notice, pay attention to; careful attention.	<b>Broad-minded</b> Being tolerant or liberal in thought or opinion.	<b>Businesslike</b> Practical, systematic.	<b>Calm</b> Sedate, serene, peaceful, undisturbed.
<b>Capable</b> Having the skill/ability or fitness for.	<b>Careful</b> Watchful, cautious, concerned for.	<b>Competent</b> Adequately qualified, able.	<b>Confident</b> Trusting, fully assured, belief, trust in yourself.
<b>Conscientious</b> Good moral understanding of right and wrong.	<b>Consistent</b> Consistent to same principles, not changing.	<b>Cooperative</b> Work well with others.	<b>Dedicated</b> Devoted to aims or vocation.

# Build a proof of concept for a company and learn.

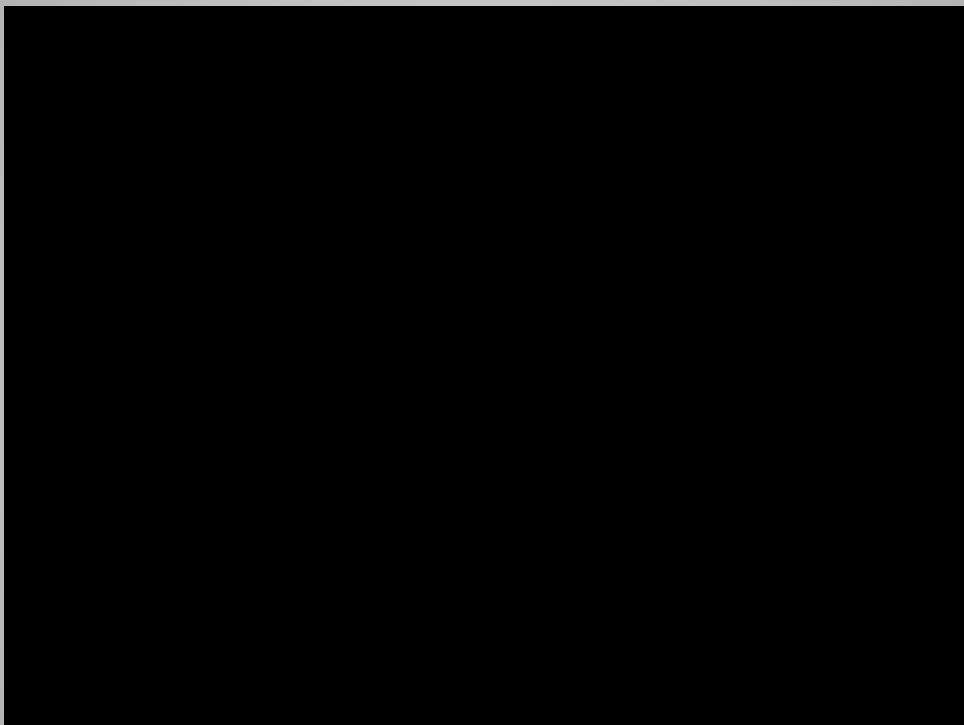




# Build a proof of concept for a company and learn.

## Key outtakes:

- Students choose what programming languages, platforms and tools they use;
- They need to understand *why* they made that choice and in some cases teach themselves a new language or acquire a new tool;
- Stakeholder engagement and gathering requirements are a larger part of the project;
- IP is assigned to the programme sponsor, not the University; and
- As competing teams they present their proof of concept at the end.





# Is the programme successful?



# What happens next?

## PROJECTS

:


**Dates/ T2: Nov 2017 - Feb 2018**

- Trade Me
- Integration Works
- Cigna Insurance
- Deloitte
- PWC
- Radium
- Dotlovesdata
- Weta Digital
- IXOM
- Press Patron
- Mahuki Incubator

## INTERNSHIPS

**Dates/ T3: March 2018 - June 2018**

- Deloitte
- Chorus
- Press Patron
- Trade Me
- Integration Works
- PWC
- IXOM
- Datacom
- Solnet
- Avenir
- Dotlovesdata
- IBM
- Weta Digital
- Xero
- ANZ
- BNZ
- Radium
- Pingar



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