

Summary:

2002 – ongoing:	Massey University, Albany
2001:	Wakayama Technical High School, Japan (AFS)
1997 – 2000:	Rangitoto College
1996:	Mt Roskill Intermediate School, Auckland
1990 – 1995:	No.298 Primary School, Moscow, Russia

2006: Final year, Transport design, Massey University

- + Currently an A average for this year's subjects
- + Depending on the last two papers, an "A" overall for the whole 4 years is achievable (First class honours) [A5]
- + Currently working with Craig Loomes Design Group Limited on my final year project (funded by the FRST "TIF" scheme)
- + Presented at the "NZ Marine Industry Conference" about our Massey Transport Design course (Rotorua, 12 July)
- + Organiser of the "Private Viewing" exhibition in the Auckland viaduct, as a part of "concept06" line of events [A8]
- + Presented a paper on "Education and training for marine designers" at the "International symposium on marine design" in Italy (La Spezia, 12 April). Papers from this RINA conference are published with an ISBN number. During the three-week Europe tour, I attended 2 conferences and 2 shows; visited 3 Universities (presenting to an Italian class in one of them) and 2 companies [A9]
- + Selected for the Massey University "uni-guide" scheme
- + Active involvement in the "Earthrace" project [A10]
- + Elected onto the RINA NZ council, later selected to be the editor of the "New Zealand Naval Architect" magazine
- + Attended the "High Performance Yacht Design 2" conference in Auckland on behalf of Massey University

2005: Year 3, Transport design, Massey University

- + A- average
- + One of my submissions was used for a presentation to Sky-TV in Australia to negotiate an air-time deal for a new racing class being organised in NZ
- + Part time employment with Complete Composites, an E-centre based engineering company mainly focusing on the marine market
- + Received approval for funding from FRST under the "TIF" scheme for a design project with Craig Loomes Design Group Limited, however, the project was aborted due to the client pulling out (client was to cover prototype costs)
- + Beginning of our course promotion with the "Aquaskimmer" project. Our group exhibited at the Hutchwilco boat show in Auckland, the Tauranga boat show and Big Boys Toys. Appearances in 5 publications [A11]

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2004: Year 2, Transport design, Massey University

- + A- average
- + Finalist, 2004 Tower AIMES awards
- + 1st place: Modelmaking paper
- + 6 top-of-the-class assignment marks during the first semester
- + 2 of the models I built are on display at the University
- + Received student membership to the Royal Society of Naval Architects (RINA)

2003: Year 1, Transport design, Massey University

- + B+ average
- + 1st place: Structure, form and movement paper
- + 1st place: Cultural identity paper
- + My entry into the international RINA "Concept Boat 2003" design competition was shortlisted, and the design was further commended by the judges [A12]

2002: Year 1, Product development, Massey University

- + Originally intended to start Transport design, but the course was delayed
- + A- average
- + 1st place: Engineering fundamentals paper
- + 1st place: annual robot design competition (team project)

2001: Wakayama Technical High School, AFS exchange

- + I attended 5th, 6th and 7th form classes, receiving good marks [A5]
- + 3 scholarships received to help me with the cost of the exchange programme fees:
 - Kathleen MacIntyre trust scholarship
 - AFS Educational trust grant
 - ASIA 2000 (no certificate was given)
- + Sports: Karate, 3rd place in my regional tournament (open grade, over 100 competitors)

2000: 6th form, Rangitoto College

- + A combined score of 5 for the top 4 subjects [A5]
- + 1st place in Graphics (overall)
- + Offered a place in a course for talented form 7 students
- + Participated in LAMPEN work-choice day certificate
- + Completed 3 STAR courses:
 - Introduction to flight
 - Special event production
 - Audio engineering and music production
- + "Smokefree stage challenge" merit award

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1999: 5th form, Rangitoto College

- + 2 grade "A" and 4 grade "B" marks for School Certificate [A5]
- + 1st place Design Technology (overall)
- + Completed a STAR course in Boat Building

1998: 4th form, Rangitoto College

- + Mostly "A 1" grades [A5]
- + 2nd place in class
- + 1st place in graphics
- + 1st place in science

1997: 3rd form, Rangitoto College

- + Mostly "A 1" grades [A5]
- + 2nd place in class
- + 1st place in art
- + Credit: Australian Schools computer studies competition

1996: 2nd form, Mt Roskill Intermediate school

- + Excellent grades [A5]
- + Distinction: Australian Schools science competition
- + Credit: Australian Schools mathematics competition

1990 – 1995: 5 years at primary School no.298, Moscow, Russia

- + Excellent grades (5 is equivalent to an "A") [A5]

For other achievements, please see [A7]. Sporting awards for tennis and table tennis are not included in this application.

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Why I qualify for an AIMES award

The Judging Panel
North Harbour Trust AIMES Awards

Dear Sir/Madam,

My name is Dima Ivanov and I believe I qualify for an AIMES award because of my excellent achievements in the marine design field in the last three years. I am a final year undergraduate student at Massey University, majoring in marine transport design. I was born in Moscow, Russia, and at the age of 11 moved to New Zealand with my family. Despite an initial language barrier, I achieved excellent grades for all five years of schooling in Auckland and I spent 2001 at the Wakayama Technical High School in Japan with AFS. In 2002, I studied statistics, physics and engineering at the Albany campus, and I currently hold an A- average.

In 2003, my design for a towed submersible "SHARX" was shortlisted for the "Concept Boat 03" international boat design competition. In 2004 I was an AIMES awards finalist, and in 2005, my abstract on "Education and training for marine designers" was accepted for presentation at the Royal Institute of Naval Architects (RINA) "International symposium on marine design", to be held in La Spezia, Italy, April 2006. I was the only student from the whole world to present at that symposium, the first ever New Zealand student, the youngest person ever and the first undergraduate student ever – RINA events date back to the 1970's. I wanted to make the most of this opportunity and secured NZD \$9000 in sponsorship from local businesses, the University and friends. I traveled through France, Spain and Italy for 19 days, attending 2 conferences and 2 shows, visiting 3 universities and 2 companies.

I am also a volunteer in the "Earthrace" project as I see great potential benefit for the NZ marine industry from the success of this campaign. To my best ability, I have been promoting my skills and our university degree to the local and international marine industries. I was in charge of organising an exhibition in Auckland in June this year, which resulted in three student exhibits being picked up for manufacture and me being invited to present at a conference in Rotorua and onto the "Breakfast" TV show for an interview. So far, I have had four jobs within the NZ marine industry, and been asked to write two magazine articles on my trip to Europe. I enjoy playing tennis, karate, extreme sports and working on greasy Subaru engines.

My long term vision is to see New Zealand become synonymous with the best marine design in the world and I think that I have a good head-start towards making my contribution. Receiving an AIMES award will allow me to achieve my goals faster by funding further travel to attend conferences, short courses and shows, while I am completing my planned PhD.

Thank you very much for reading my application.

Yours sincerely,
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In May 2006, the students of the transport and industrial design courses united to promote ourselves and Massey University to the industry. To do so, we created a brand called "concept06" which was promoted through 4 events: the FANZ furniture show, the Hutchwilco Boat Show, the Yamaha Design challenge in Takapuna and the Private Viewing in the Auckland viaduct.

Right from the conception of the concept06, the "Private Viewing" was seen by the people involved as the final event – a celebration and an extravaganza, showcasing all the best design work from the Massey University School of design. My task was to make sure that it happened.

The Private viewing was a three day event, held at the old Alinghi base in the Auckland's Viaduct basin. The first night consisted of an invite-only function, where around 400 people enjoyed the 42 designs on display, as well as great food, drinks and music. Throughout the following two days, the exhibition remained open to the public during daytime hours. A further 120 people went through the venue, which is considered to be a great number considering the low profile of the event.

Overall, the Private Viewing was a great success. It has definitely raised the industry's awareness of our course and our abilities. As a result of this event, we have been invited to exhibit our designs at the upcoming Hamilton outdoors show on the 11-13 of August 2006, and I have been asked for an interview on "the Breakfast show" to talk about our projects (further increasing our profile in the NZ marine industry).

Most important to me was the fact that 3 of the student designs on display were picked up for manufacture by local companies, which in turn helps the New Zealand marine and furniture industries. Up until the opening day, the event was organised on a \$0 budget, and would not have been possible without the 17 sponsors that helped us out. For more information, please see www.concept06.co.nz

Attachments:

- A8.2 Some pictures from the opening function
- A8.3 Invitation for the breakfast show interview
- A8.4 Feedback from Lynne Pillay, Waitakere MP, on behalf of the Prime Minister Helen Clark
- A8.5 E-mail from Bob Tait, the president of the NZ Marine Industry Association
- A8.6 Feedback from Sue Tucker, Maritime New Zealand
- A8.7 E-mail from Mr and Mrs Kuroda, close friends of family
- A8.8 Feedback from Karen Triggs, administrator at the School of design
- A8.9 An example of the invite letter sent out to 1,100 people on the invite list
- A8.10 An example of the thank you letter sent to our sponsors afterwards (the 3rd design was not signed then)
- A8.11 The cover page of the press-pack sent to the sponsors
- A8.12 The press release of Enterprise North Shore

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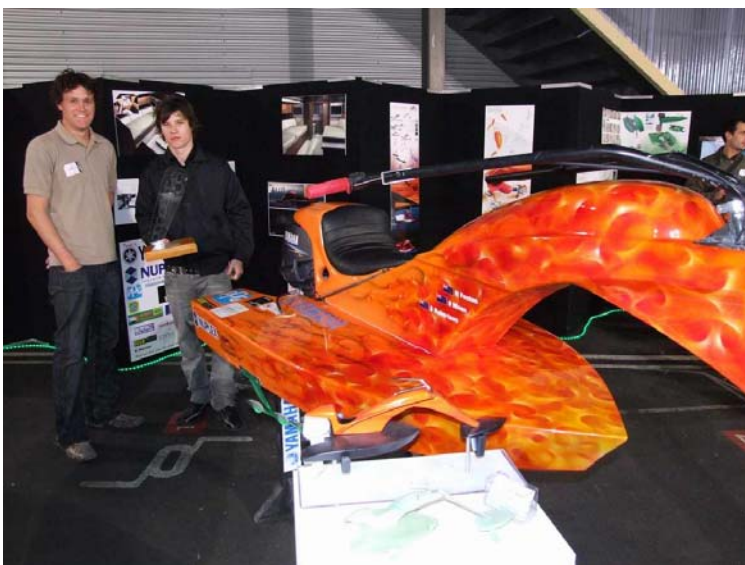
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Industrial design exhibits, the animated videos and the bar were placed inside



The transport design exhibits had to be put in the outside part of the venue



“Chopper” was the visitor’s choice winner, and one of the designs picked up for manufacture

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July 2005. After seeing a Massey University logo on an advertisement for a Marine Design conference in Italy, I asked my lecturer how I can get there without paying (students can seldom afford international travel). I thought my lecturer was kidding when he told me to submit an abstract to present at this conference, but he was not, and I submitted one in September that year. My abstract was called "Education and training in marine design: a student's perspective" and the conference was called the Royal Institute of Naval Architects (RINA) "International symposium on marine design" to be held in La Spezia, Italy, in April 2006.

In November, I found out that my abstract was one of 16 accepted – out of 37 that were submitted, being the only student paper from the whole world. Furthermore, I later discovered that I was the first New Zealand student to ever present at a RINA conference, the youngest ever and the first undergraduate ever – and these conferences date back to the 1970's. Because RINA proceedings are published (ISBN), I now also have one published paper.

I was extremely excited about the opportunity to travel to Europe, not even mentioning the chance to present at an international conference. I understood the size of the Marine Industry in Europe as compared to New Zealand, and realized that I had to make as much of my Trip to Italy in 2006 as possible. After months of looking for sponsorship, 3 local companies, the University and friends of family contributed just over NZD \$9,000 towards my trip.

I made the most of my trip to Italy by extending it to three weeks, and traveling through France and Spain also. I attended 2 conferences, 2 shows, visited 3 universities and 2 major companies. As a result of my visit to the JEC Composites show in Paris, a Swiss company now has a distributor in New Zealand for its line of products.

I think that international exposure and networking are the key to success for me and the NZ marine industry, and I would be more than happy to do this again. This time, I want to visit Northern Europe, as I have been invited to do so by one of the world's top super-yacht project managers, Jens Cornelsen, who I met at the "Yacht Vision '05" conference in Auckland.

Attachments:

- A9.2 Some pictures from the trip
- A9.3 Letter from Professor Judith Kinnear, Vice-chancellor of Massey University
- A9.4 Letter from Professor Duncan Joiner, Professor of design, Massey University
- A9.5 Article in the North Shore Times, 26 January 2006
- A9.6 Cover page of Massey News, February 2006
- A9.7 Article in Massey News, February 2006
- A9.8 Invitation by Jens Cornelsen to visit North Europe during my trip in 2006
- A9.9 Invitation by Jens Cornelsen to visit North Europe in the future
- A9.10 Through my enquiry at the JEC composite show in Paris, Basler Lacke (a Swiss carbon-fibre coating company) now has a distributor in New Zealand
- A9.11 Invitation to present to an Italian University class about our New Zealand course
- A9.12 The abstract that I submitted to RINA, written in August 2005
- A9.13 40 copies of this report were printed and sent out to my sponsors in NZ, people I visited in Europe and other NZ-based individuals who I thought would benefit from it

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The technology on display at the Paris JEC Composites show was a real eye opener. A product that I thought would sell well in NZ is now being distributed here through my contact



The people I met at the MDY'06 high performance yacht design conference in Madrid. Once again, the technical papers given were of a very high standard and extremely interesting



A photo of me presenting at the RINA "International symposium on marine design"

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My involvement with Earthrace began on a field trip to Calibre boat builders in Kumeu with our material technology class in September 2005. At that stage, the construction was half-way done – nothing what it looks like now.

Pete Bethune's ambitions of setting the world circum-navigation record made me very excited about the Earthrace project, and I offered my help as a volunteer. Initially, I was meant to simply install the audio gear (my passion for installing car audio goes back to 1999), but I later ended up being in charge of the cockpit interior design.

There were four main reasons for my involvement with the Earthrace project:

- The project totally depended on volunteer help, and I saw that my skills were needed
- I saw the project as an opportunity to raise my profile within New Zealand, as I knew the project would receive a lot of local publicity
- Earthrace has the potential to draw the world's attention to New Zealand, and put it back on the international map as a fresh thinking, innovative country with great boat-building. This will do great things for the New Zealand marine design industry in the future, and I wanted to do everything I could to ensure that it happens
- Earthrace promotes the use of sustainable fuels, which falls in line with our responsibilities as transport designers of the future

Furthermore, Earthrace was designed by Craig Loomes Design Group Limited (my current employers), and Pete Bethune is from Long Bay. It was a real privilege to be a crew aboard Earthrace for a part of its New Zealand tour and at the 2006 Auckland Boat Show.

Attachments:

A10.2 some pictures

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Somehow I became the tour guide for people willing to get on board at the official launch function in the Auckland viaduct, screened on the "Campbell live" TV show



I was extremely privileged to attend the 2006 Auckland Boat Show as Earthrace crew, talking to some of the 5000 people that went through the boat that weekend



A photo of me and Pete just off Rangitoto, days before Earthrace left New Zealand for USA

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