

William Johnston

22 Beatty Street, Balgowlah Heights

Sydney, NSW

0416 385 080

willjohnston1992@gmail.com

June 22, 2016

To Whom It May Concern,

Re: Student Vacation Employment

After hearing of the opportunities at Partridge, I would like to apply for an internship within your program. Currently, I am in my final year of my combined Masters of Biomedical Engineering / Bachelor of Mechatronic Engineering (Hons) degree. I believe that I would be a great asset to the Partridge team due to the skills and experiences I have gained from my time at the University of New South Wales.

Throughout my time at The University of New South Wales I developed several skills required for the engineering workplace. I learnt how to think analytically and to solve problems with different approaches. I became very familiar with the design process, participating in several successful design tasks within the university. A large portion of my education focused on the management aspects of engineering. I was able to practice my own leadership skills and communication skills through group work.

Studying mechatronic engineering has given me a strong understanding of mechanics orientated design. The first 3 years of mechatronic engineering was centered around mechanical design with a focus on structural concepts. I would thoroughly enjoy the opportunity to work at partridge and be a part of the design team.

I look forward to discussing my application with you.

Thank you for your consideration,
William Johnston

William Johnston

willjohnston1992@gmail.com

0416385080

Core Skills

- | | | |
|-------------------------------|-------------------|----------------------|
| • CAD (Solidworks) | • Matlab | • Problem Solving |
| • Engineering Design | • Web Development | • Project Management |
| • Team Development | • Communication | • Independent work |
| • Object Oriented Programming | • Java | • Python |
| | • C++ | • MySQL |

Education

| | |
|---|-----------|
| Master of Biomedical Engineering University of New South Wales | 2011-2016 |
|---|-----------|

| | |
|---|-----------|
| Bachelor of Engineering University of New South Wales Majoring in Mechatronic Engineering | 2011-2016 |
|---|-----------|

| | |
|--|------|
| Higher School Certificate SCECGS Redlands | 2010 |
|--|------|

Employment History

| | |
|--|---------------------|
| Knife Hand, Millin's Fine Food Butcher | Aug. 2012 - Present |
| • Responsible for assisting senior butchers with meat preparation, sales and shop wide cleaning, over the last six months assisted in the training of two new knife hands. | |
| • Developed valuable communication skills, corresponding with both colleagues and customers. | |
| • Improved work standards to ensure customer satisfaction. | |

| | |
|---|---------------------|
| Labourer | Jan. 2011 - Present |
| • Laboured on several construction sites throughout this time. | |
| • Learned the importance of innovation, a lot of repetitive tasks with the opportunity to develop new and improved methods. | |

Academic Statement

The University of New South Wales

 Name: Johnston, William David
 Student ID: 3373093

Academic Career 1 of 1: Undergraduate

Print Date: 07/06/2016

Beginning of Undergraduate Record

Semester 1 2011

 Program: 3728 Computer Eng/Biomed Eng
 Plan: BIOMAS3728 Biomedical Engineering Specialisation
 Plan: COMPB13728 Computer Engineering Major

Session: Teaching Period One

| Course | | Title | Attempted | Passed | Mark | Grade |
|--------|------|---------------------|-----------|--------|------|-------|
| COMP | 1917 | Computing 1 | 6.00 | 0.00 | 43 | FL |
| ELEC | 1111 | Elec & Telecomm Eng | 6.00 | 6.00 | 50 | PS |
| MATH | 1131 | Mathematics 1A | 6.00 | 0.00 | 43 | FL |
| PHYS | 1121 | Physics 1A | 6.00 | 6.00 | 66 | CR |

| | | | | |
|-----------|--------|-------------|-------|-------|
| Term WAM: | 50.500 | Term Totals | 24.00 | 12.00 |
|-----------|--------|-------------|-------|-------|

REFERRAL

Semester 2 2011

 Program: 3728 Computer Eng/Biomed Eng
 Plan: BIOMAS3728 Biomedical Engineering Specialisation
 Plan: COMPB13728 Computer Engineering Major

Session: Teaching Period Two

| Course | | Title | Attempted | Passed | Mark | Grade |
|--------|------|--------------------|-----------|--------|------|-------|
| COMP | 1917 | Computing 1 | 6.00 | 6.00 | 80 | DN |
| ENGG | 1000 | Engineering Design | 6.00 | 6.00 | 74 | CR |
| MATH | 1131 | Mathematics 1A | 6.00 | 6.00 | 61 | PS |

| | | | | |
|-----------|--------|-------------|-------|-------|
| Term WAM: | 71.667 | Term Totals | 18.00 | 18.00 |
|-----------|--------|-------------|-------|-------|

Good Standing

Semester 1 2012

 Program: 3728 Computer Eng/Biomed Eng
 Plan: BIOMAS3728 Biomedical Engineering Specialisation
 Plan: COMPB13728 Computer Engineering Major

Session: Teaching Period One

| Course | | Title | Attempted | Passed | Mark | Grade |
|--------|------|-------------------------|-----------|--------|------|-------|
| ANAT | 2511 | Fundamentals of Anatomy | 6.00 | 6.00 | 65 | CR |
| COMP | 1927 | Computing 2 | 6.00 | 0.00 | 38 | FL |
| GENL | 2323 | Owning Creativity | 6.00 | 6.00 | 79 | DN |

| | | | | |
|-----------|--------|-------------|-------|-------|
| Term WAM: | 60.667 | Term Totals | 18.00 | 12.00 |
|-----------|--------|-------------|-------|-------|

Good Standing

Semester 2 2012

 Program: 3728 Computer Eng/Biomed Eng
 Plan: BIOMAS3728 Biomedical Engineering Specialisation
 Plan: COMPB13728 Computer Engineering Major

Session: Teaching Period Two

| Course | | Title | Attempted | Passed | Mark | Grade |
|--------|------|--------------------------|-----------|--------|------|-------|
| BIOM | 1010 | Engineering in Medicine | 6.00 | 6.00 | 68 | CR |
| MATH | 1231 | Mathematics 1B | 6.00 | 6.00 | 51 | PS |
| MMAN | 1130 | Design and Manufacturing | 6.00 | 6.00 | 71 | CR |

| | | | | |
|-----------|--------|-------------|-------|-------|
| Term WAM: | 63.333 | Term Totals | 18.00 | 18.00 |
|-----------|--------|-------------|-------|-------|

Good Standing

Academic Statement

The University of New South Wales

 Name: Johnston, William David
 Student ID: 3373093

Semester 1 2013

 Program: 3688 Mechatronic Eng/Biomedical Eng
 Plan: MTRNA13688 Mechatronic Engineering Major

Session: Teaching Period One

| Course | | Title | Attempted | Passed | Mark | Grade |
|--------|------|----------------------------|-----------|--------|------|-------|
| MATH | 2019 | Engineering Mathematics 2E | 6.00 | 6.00 | 51 | PS |
| MMAN | 1300 | Engineering Mechanics | 6.00 | 6.00 | 59 | PS |
| MMAN | 2700 | Thermodynamics | 6.00 | 6.00 | 62 | PS |

 Transfer Credit from The University of New South Wales
 Applied Toward Mechatronic Eng/Biomedical Eng Program

| Course | | Description | Attempted | Passed | Mark |
|--------|------|--------------------------|-----------|--------|------|
| ANAT | 2511 | Fundamentals of Anatomy | 6.00 | 6.00 | T |
| BIOM | 1010 | Engineering in Medicine | 6.00 | 6.00 | T |
| COMP | 1917 | Computing 1 | 6.00 | 6.00 | T |
| ELEC | 1111 | Elec & Telecomm Eng | 6.00 | 6.00 | T |
| ENGG | 1000 | Engineering Design | 6.00 | 6.00 | T |
| GENL | 2323 | Owning Creativity | 6.00 | 6.00 | T |
| MATH | 1131 | Mathematics 1A | 6.00 | 6.00 | T |
| MATH | 1231 | Mathematics 1B | 6.00 | 6.00 | T |
| MMAN | 1130 | Design and Manufacturing | 6.00 | 6.00 | T |
| PHYS | 1121 | Physics 1A | 6.00 | 6.00 | T |

| | | | | |
|-----------|--------|-------------|-------|-------|
| Term WAM: | 57.333 | Term Totals | 78.00 | 78.00 |
|-----------|--------|-------------|-------|-------|

Good Standing

Semester 2 2013

 Program: 3688 Mechatronic Eng/Biomedical Eng
 Plan: MTRNA13688 Mechatronic Engineering Major

Session: Teaching Period Two

| Course | | Title | Attempted | Passed | Mark | Grade |
|--------|------|--------------------------------|-----------|--------|------|-------|
| MATH | 2089 | Numerical Methods & Statistics | 6.00 | 6.00 | 70 | CR |
| MMAN | 2300 | Engineering Mechanics 2 | 6.00 | 6.00 | 58 | PS |
| MMAN | 2600 | Fluid Mechanics | 6.00 | 6.00 | 57 | PS |

| | | | | |
|-----------|--------|-------------|-------|-------|
| Term WAM: | 61.667 | Term Totals | 18.00 | 18.00 |
|-----------|--------|-------------|-------|-------|

Good Standing

Semester 1 2014

 Program: 3688 Mechatronic Eng/Biomedical Eng
 Plan: MTRNA13688 Mechatronic Engineering Major

Session: Teaching Period One

| Course | | Title | Attempted | Passed | Mark | Grade |
|--------|------|----------------------------|-----------|--------|------|-------|
| BIOS | 1301 | Ecology and sustainability | 6.00 | 6.00 | 75 | DN |
| MMAN | 2400 | Mechanics of Solids 1 | 6.00 | 6.00 | 66 | CR |
| MMAN | 3200 | Linear Systems and Control | 6.00 | 6.00 | 66 | CR |

| | | | | |
|-----------|--------|-------------|-------|-------|
| Term WAM: | 69.000 | Term Totals | 18.00 | 18.00 |
|-----------|--------|-------------|-------|-------|

Good Standing

Semester 2 2014

 Program: 3688 Mechatronic Eng/Biomedical Eng
 Plan: MTRNA13688 Mechatronic Engineering Major

Session: Teaching Period Two

| Course | | Title | Attempted | Passed | Mark | Grade |
|--------|------|-----------------------------|-----------|--------|------|-------|
| MMAN | 2100 | Engineering Design 2 | 6.00 | 6.00 | 86 | HD |
| MMAN | 3000 | Prof. Eng. and Comm. | 6.00 | 6.00 | 86 | HD |
| MTRN | 3020 | Model & Cont of Mechatr Sys | 6.00 | 6.00 | 75 | DN |
| MTRN | 3100 | Robot Design | 6.00 | 6.00 | 84 | DN |

Academic Statement

The University of New South Wales

 Name: Johnston, William David
 Student ID: 3373093

| | | | | |
|---------------|--------|-------------|-------|-------|
| Term WAM: | 82.750 | Term Totals | 24.00 | 24.00 |
| Good Standing | | | | |

Semester 1 2015

 Program: 3688 Mechatronic Eng/Biomedical Eng
 Plan: MTRNA13688 Mechatronic Engineering Major

Session: Teaching Period One

| Course | | Title | Attempted | Passed | Mark | Grade |
|--------|------|--------------------------------|-----------|--------|------|-------|
| BIOM | 9311 | Mass Transfer in Medicine | 6.00 | 6.00 | 67 | CR |
| MMAN | 3400 | Mechanics of Solids 2 | 6.00 | 6.00 | 63 | PS |
| MTRN | 3200 | Elements of Mechatronic System | 6.00 | 6.00 | 83 | DN |
| PHSL | 2121 | Principles of Physiology A | 6.00 | 6.00 | 76 | DN |

| | | | | |
|---------------|--------|-------------|-------|-------|
| Term WAM: | 72.250 | Term Totals | 24.00 | 24.00 |
| Good Standing | | | | |

Semester 2 2015

 Program: 3688 Mechatronic Eng/Biomedical Eng
 Plan: MTRNA13688 Mechatronic Engineering Major

Session: Teaching Period Two

| Course | | Title | Attempted | Passed | Mark | Grade |
|--------|------|-----------------------------|-----------|--------|------|-------|
| BIOM | 5001 | Thesis Part A | 6.00 | 6.00 | | SY |
| BIOM | 9420 | Clinical Laboratory Science | 6.00 | 6.00 | 72 | CR |
| BIOM | 9660 | Implantable Bionics | 6.00 | 6.00 | 65 | CR |
| MTRN | 2500 | Comp for MTRN | 6.00 | 6.00 | 79 | DN |

| | | | | |
|---------------|--------|-------------|-------|-------|
| Term WAM: | 72.000 | Term Totals | 24.00 | 24.00 |
| Good Standing | | | | |

Semester 1 2016

 Program: 3688 Mechatronic Eng/Biomedical Eng
 Plan: MTRNA13688 Mechatronic Engineering Major

Session: Teaching Period One

| Course | | Title | Attempted | Passed | Mark | Grade |
|--------|------|-----------------------------|-----------|--------|------|-------|
| AERO | 9500 | Sat Sys | 6.00 | | | |
| BIOM | 5003 | Thesis Part B (MECH, MTRN) | 6.00 | | | |
| BIOM | 9332 | Biocompatibility | 6.00 | | | |
| MTRN | 4010 | Advanced Autonomous Systems | 6.00 | | | |

| | | |
|-------------|-------|------|
| Term Totals | 24.00 | 0.00 |
|-------------|-------|------|

Semester 2 2016

 Program: 3688 Mechatronic Eng/Biomedical Eng
 Plan: MTRNA13688 Mechatronic Engineering Major

Session: Teaching Period Two

| Course | | Title | Attempted | Passed | Mark | Grade |
|--------|------|--------------------------------|-----------|--------|------|-------|
| BIOM | 9410 | Regulatory Req of Biomed Tech | 6.00 | | | |
| BIOM | 9541 | Mechanics of the Human Body | 6.00 | | | |
| BIOM | 9561 | Mech Properties of Biomaterial | 6.00 | | | |
| MTRN | 4230 | Robotics | 6.00 | | | |

| | | |
|-------------|-------|------|
| Term Totals | 24.00 | 0.00 |
|-------------|-------|------|

3728 Computer Eng/Biomed Eng Totals

| | | |
|-------------|--------------|-------|
| WAM: 60.692 | Units: 78.00 | 60.00 |
|-------------|--------------|-------|

Academic Statement

The University of New South Wales

Name: Johnston, William David
Student ID: 3373093

3688 Mechatronic Eng/Biomedical Eng Totals

WAM: 70.000

Units: 234.00 186.00

This is the last academic career for Johnston, William David

End of Academic Statement



2010 Higher School Certificate Student Results Summary



*This is to certify that **William Johnston of SCECGS Redlands**
has satisfactorily completed the courses listed below:*

| 2010 Board Developed Courses | Examination Mark | Assessment Mark | HSC Mark | Performance Band |
|---|------------------|-----------------|----------|------------------|
| 2 unit Biology | 76/100 | 82/100 | 79 | 4 |
| 2 unit English (Advanced) | 77/100 | 78/100 | 78 | 4 |
| 2 unit Information Processes and Technology | 86/100 | 89/100 | 88 | 5 |
| 2 unit Mathematics | 87/100 | 87/100 | 87 | 5 |
| 1 unit Mathematics Extension 1 | 39/50 | 35/50 | 37 | E3 |
| 2 unit Physics | 78/100 | 79/100 | 79 | 4 |

ELIGIBLE FOR HIGHER SCHOOL CERTIFICATE

President

Student Number: 20651555

33813849

Issued by the Board of Studies without alteration or erasure at Sydney on 17 December 2010. The formal HSC credentials provide the complete statement of results.

For help understanding your results:

- Visit *HSC Results* on the Board's website **boardofstudies.nsw.edu.au**;
- Call the HSC Results Inquiry Centre on **13 11 12**;
- Request an HSC Results Check (see below).

For further study, training options and career pathways advice contact the Careers Advisory Services on 1300 300 687 or visit cas.det.nsw.edu.au

HSC Results Check service

Cut along line to remove the HSC Results Check notice

If you feel that an examination mark is not consistent with your expectation, the HSC Results Check service is available for a small fee per course. This service will confirm that the marks for your examination responses were processed correctly - it does not involve a re-mark of your examination responses.

Order now on Students Online at studentsonline.bos.nsw.edu.au or tick the courses for which you want a Check, detach this notice, and submit with payment. To pay by credit card, download a payment form from Students Online. Return by post to **HSC Results Check service, Board of Studies, GPO Box 5300, Sydney, 2001** or in person to Level 5, 117 Clarence Street Sydney 2000.

Applications close **28 April 2011**. Visit Students Online for details of other Results Services.

Papers eligible for Check:

| Course |
|----------------------------------|
| 2 unit Biology |
| 2 unit English (Advanced) |
| 2 unit Information Processes and |
| 2 unit Mathematics |
| 1 unit Mathematics Extension 1 |
| 2 unit Physics |

| Course Number | Cost | Tick (✓) if Check sought |
|---------------|---------|--------------------------|
| 15030 | \$14.50 | <input type="checkbox"/> |
| 15140 | \$28.00 | <input type="checkbox"/> |
| 15210 | \$14.50 | <input type="checkbox"/> |
| 15240 | \$14.50 | <input type="checkbox"/> |
| 15250 | \$14.50 | <input type="checkbox"/> |
| 15330 | \$14.50 | <input type="checkbox"/> |
| Total: | _____ | |

I have enclosed \$ _____ which is the cost of papers for which a Check is sought (cheques should be made payable to: **BOARD OF STUDIES**).



William Johnston
8 ADRIAN PLACE
BALGOWLAH HEIGHTS NSW 2093

206 2093 20651555