Tyson Buzza

# Personal Data

**Place and Date of Birth:** Narrogin, Western Australia | 23 January 1990  
**Address:** 167 Fern Rd, Wilson, 6107, Perth, Western Australia  
**Phone:** [04 3951 1269](tel:0439511269)  
**Email:** [tyson.buzza@gmail.com](mailto:tyson.buzza@gmail.com)

# Work Experience

### 2016-2017 Programming Contractor for Great Southern Fuels *Fuel Distributor*

• [CRUD Website design and implementation](https://gsfs.azurewebsites.net/Account/Login) • Using ASP.Net MVC and Entity Framework • Allows users to access their monthly Statements and Invoices • Splitting large text files into separate customer Statements/Invoices • Producing PDF files based on the extracted text • CRUD application for managing fuel orders, jobs, the vehicle fleet, drivers, and customer tanks

### 2014-2015 Mechatronics Assistant at Applus RTD *Non-Destructive Testing*

• Soldering DB9 connectors • Using RS232 to communicate with motor controllers and a laser range finder • Motor control software design and implementation • System monitoring software, design and implementation • Electrical design, drawing schematics and assembly • Providing maintenance engineering support to the project/site to maintain and improve plant operations and profitability as directed by the client in accordance with the client site requirements • Performing scheduled maintenance inspections and repairs • Conducting training for Applus RTD personnel in the use of equipment • Completing maintenance reports

### 2013 Programmer at Haefeli-Lysnar Surveying Equipment *Geospatial Solutions*

• Receive NMEA strings from a GPS over a serial port using C# • Writing end user manuals • Discussing project requirements with clients, identifying requirements, managing expectations, adjusting to changing project requirements and acting on feedback from deliverables • Developing mobile phone applications (Windows, Android, IPhone) • Wrote a GPS positioning system for drill rigs • Helped develop a total station program for position piles • Testing/debugging • UI design • Research and implementation of geographic coordinate systems

### 2011-2012 Business Improvement Assistant at Jason Windows *Glass Manufacture*

• Data analysis - tracking production and waste material • CAD drawings - design of an A frame for carrying glass on a trailer and floor plans • Stock take • Compiling task list through discussion with other employees

# Education & Training

|  |  |
| --- | --- |
| Year | Qualification / Institution |
| 2016 | BCompSc Bachelor of Computer Science |
|  | Charles Sturt University, New South Wales |
| 2013 | BEng (Hons) Bachelor of Mechatronic Engineering |
|  | Curtin University, Western Australia |
| 2012 | Exchange Semester |
|  | Technical University of Munich, Germany |
| 2007 | Australian Drivers Licence, Class C |
|  | Department of Transport, Western Australia |

*See details at the end of document*

# Programming Skills

**Basic Knowledge**  
C++, C, Python, Elixir, Ruby, ReactJS, SQL (Microsoft SQL, MySQL, SQLite), Git, Unit Testing, XML, TCP/IP, RS-232 Serial  
Mobile development (Android, Windows CE, PhoneGap/Cordova, React Native)

**Intermediate Knowledge**  
Java, C#, JavaScript, HTML, CSS, vim, Eclipse, Visual Studio, Linux, Windows  
Web Development (ASP.Net, Ruby on Rails, Phoenix)

# Other Technical Skills

**Basic Knowledge**  
Debugging electronic circuits, interfacing with cameras and GPS, GIS

**Intermediate Knowledge**  
Faulhaber motor control

# Interests and Activities

Technology, Programming, Science, Philosophy, History, Comedy, Science Fiction, Fantasy

# Referees

**Diederick Naude**  
Mechatronics Engineer  
Applus RTD  
Ph: 04 1003 5574  
E-mail: [Diederick.Naude@applusrtd.com](mailto:Diederick.Naude@applusrtd.com)

**Jered Masters**  
Lead programmer  
Haefeli-Lysnar Surveying Equipment  
Ph: 04 3321 0107  
E-mail: [jered.masters@outlook.com](mailto:jered.masters@outlook.com)

**Peter den Boer**  
Business Improvement Director  
Jason Windows  
Ph: 93 513 400  
E-mail [Peter.denBoer@jasonwindows.com.au](mailto:Peter.denBoer@jasonwindows.com.au)

# Bachelor of Computer Science *Charles Sturt University*

*Degree awarded on 9-Dec-2016 with Distinction (GPA 6.6)*

|  |  |  |  |
| --- | --- | --- | --- |
| Code | Title | Grade | Subject Points |
|  | **Credit for previous work** |  |
| ITC06C | 6 Unspec Info Tech Subjects | TCR | 48 |
| ITC104 | Intro to Computer Science | TCR | 8 |
| ITC105 | ComInfoMan | TCR | 8 |
| MTH101 | Computer Aided Mathematics 1 | TCR | 8 |
|  |  |  |
|  | **2014 60** |  |
| ITC203 | OO SAD | DI | 8 |
| MTH129 | Discrete Mathematics | DI | 8 |
|  |  |  |
|  | **2015 30** |  |
| ITC204 | Human Computer Interface | DI | 8 |
| ITC206 | Programming in Java 1 | HD | 8 |
| ITC262 | Operating Systems | DI | 8 |
| ITC331 | Ethics and Prof Prac | DI | 8 |
|  |  |  |
|  | **2015 60** |  |
| ITC205 | Prof Programming Practice | HD | 8 |
| ITC212 | Internet Technologies | HD | 8 |
| ITC222 | Programming in Java 2 | HD | 8 |
| ITC313 | Database Management Systems | HD | 8 |
|  |  |  |
|  | **2015 90** |  |
| ITC114 | Database Management Systems | HD | 8 |
|  |  |  |
|  | **2016 30** |  |
| ITC322 | Data Structures | HD | 8 |
| ITC303 | Software Development Project 1 | DI | 8 |
|  |  |  |
|  | **2016 60** |  |
| ITC309 | Software Development Project 2 | HD | 8 |
| ITC363 | Computer Graphics | HD | 8 |

# Bachelor of Mechatronic Engineering *Curtin University*

*Course completed on 20-Dec-2013 with Lower Second Class Honours.*

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| --- | --- | --- | --- |
| Code | Title | Credits | Grade |
|  | **2009 Semester 1** |  |
| 307543 | Electrical Systems 100 | 25.0 | 5 |
| 310205 | Engineering Foundations: Design and Processes 100 | 25.0 | 6 |
| 307533 | Engineering Materials 100 | 25.0 | 6 |
| 307535 | Engineering Mathematics 110 | 25.0 | 7 |
|  |  |  |
|  | **2009 Semester 2** |  |
| 310206 | Engineering Foundations: Principles | 25.0 | 5 |
|  | and Communication 100 |  |
| 307537 | Engineering Mathematics 130 | 25.0 | 8 |
| 307529 | Engineering Mechanics 100 | 25.0 | 7 |
| 310207 | Engineering Programming 100 | 12.5 | 8 |
| 307594 | Engineering; its Evolution, Development, | 12.5 | 7 |
|  | Successes and Failures 100 |  |
|  |  |  |
|  | **2010 Semester 1** |  |
| 308879 | Electrical Circuits 205 | 12.5 | 7 |
| 308809 | Engineering Graphics 232 | 12.5 | 7 |
| 308808 | Engineering Mathematics 233 | 12.5 | 7 |
| 308768 | Foundations of Digital Design 201 | 25.0 | 8 |
| 308805 | Machine Dynamics 231 | 25.0 | 5 |
| 308824 | Mechatronic Project 234 | 12.5 | 7 |
|  |  |  |
|  | **2010 Semester 2** |  |
| 308781 | Electronic Fundamentals 202 | 25.0 | 6 |
| 310683 | Engineering Management 302 | 25.0 | 7 |
| 308823 | Linear Systems Modelling 232 | 12.5 | 6 |
| 308822 | Mechatronic Modelling 231 | 25.0 | 7 |
| 308875 | Programming 215 | 12.5 | 8 |
|  |  |  |
|  | **2011 Semester 1** |  |
| 308829 | Automatic Control 321 | 25.0 | 8 |
| 12855 | Embedded Systems Engineering 301 | 25.0 | 7 |
| 308828 | Mechanical Design 321 | 25.0 | 6 |
| 308827 | Mechatronic Automation 331 | 25.0 | 8 |
|  |  |  |
|  |  |  |
|  | **2011 Semester 2** |  |
| 307664 | Engineering Law 202 | 12.5 | 8 |
| 307660 | Engineering Sustainable Development 201 | 12.5 | 7 |
| 308826 | Manufacturing for Mechatronics 332 | 25.0 | 7 |
| 308825 | Mechatronic Project 332 | 25.0 | 6 |
| 12835 | Power Electronics 304 | 25.0 | 5 |
|  |  |  |
|  | **2012 Semester 2** |  |
| 12911 | Automatic Control 432 | 25.0 | 6 |
| 308787 | Instrumentation and Control 402 | 25.0 | 7 |
| 11501 | Mechatronic Project 491 | 25.0 | 5 |
| 310544 | Professional Practice 434 | 12.5 | 6 |
|  |  |  |
|  | **2012 Study Period 5** |  |
| 12763 | International Study (Study Exchange) | 75.0 | PASS |
|  |  |  |
|  | **2013 Semester 1** |  |
| 308830 | Mechatronic Project 493 | 37.5 | 5 |

# Exchange Program *Technical University of Munich*

|  |  |  |
| --- | --- | --- |
| Title | Grade | ECTS-Credits |
| Ubiquitous Computing | 1,7 | 3 |
| Machine Learning in Robotics | 3.0 | 3 |
| Energy Storage | 2,0 | 3 |