

Joshua Archer

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PROFILE

Intelligent, polite University student with an affinity for software development and mathematics with experience in project development and project management seeking part-time or casual employment. Hardworking and cooperative individual with outstanding communication skills with willingness to learn and help others through positive, contributively attitude. Driven Software Engineer welcoming challenging projects and enjoying collaborating with all sorts of personalities. Commended by mentors and peers for a diligent, mature approach to studies and ability to work effectively in both individual and group situations.

PROFESSIONAL SKILLS

- Web development with HTML, CSS, JavaScript, Python and XML.
- Database SQL proficiency.
- Python, C, C++, Java
- Problem solving.
- Software Engineering process understanding and implementation.
- Project management, involving Jira and Confluence.
- Microsoft Office, specifically in Word, Excel and Project.
- Ability to work effectively in time critical environments.
- Software Engineering process understanding and implementation.

WORK EXPERIENCE

- **Narellan Seafood** – Customer Service/Food Prep
March 2016 – February 2018
Manager's Comment: "Joshua has proven that he is a hard worker and professionally driven. He has shown outstanding customer service and excellent communication skills. Joshua is a trustworthy and polite person. He is also very punctual and always follows orders efficiently and effectively. I highly recommend Joshua."
- **Big W** – Night Fill Associate
November 2017 – June 2019
Managed stock and inventory in different departments, provided quality customer service and maintained tidy and safe working environment.
- **Appen** – Transcription
January 2018 – May 2018
Provide reliable transcription at an efficient pace.

- **Hush Puppies** – Customer Service
November 2017 – February 2018
Provide high quality customer service for customers for a premium shoe brand.

EDUCATION

- Bachelor of Engineering – Software Engineering.
Macquarie University 2017-Present
- High School Certificate
Mount Annan High School 2016
 - HSC Mathematics Band 5
 - HSC Mathematics Extension 1 Band E3
 - Academic Excellence – Physics, Biology.

SOFTWARE PROJECTS

- **Automated Shopping Bot**
A robot was designed and manufactured to retrieve different coloured cans off shelves. The can colours and quantities were given by a user. My sub-team's in the project was to develop back-end communication from a user interface to the robot control in charge of collecting the cans. This communication involved encrypting payloads to transmit, development of Bluetooth and decryption. Our team also handled core robot controls including developing software for controlling motor speeds based on sensor inputs. This project required all professional skills and C/C++, HTML, CSS.
- **Elevator Control Box System**
This Engineering project provided by my University required me to work with a small team in which we developed a floor selection box and control system for a miniature elevator. My role was primarily the team leader of our software team and involved me managing my own team along with attending team leader meetings, developing interface requirements and contributing to design and construction of the Control Box. During this project I worked with Arduinos and small electronic components using C++, developed and applied team leadership skills.

REFEREES

- **Jayden Kyle** | Big W Night Fill Manager
Phone: (04) 6883 0535
- **Benjamin Clark** | Big W Inventory Manager
Phone: (04) 2464 0765
- **Ali Lalbakhsh** | PhD Student Mentor
Phone: (04) 7064 0575
- **Ms Kim Dawson** | Year 12 Student Advisor 2016
Phone: (02) 4648 0111

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