ZAC BRYDON

Address: 10 Carina Close Wantirna South, VIC 3152
Email: zac@brydon.net.au
Mobile: 0490 817 319
LinkedIn: https://www.linkedin.com/in/zac-brydon/
Website: https://zacbrydon.tech
GitHub: https://github.com/zbrydon

PROFILE

I am a third year Software Engineering student at Deakin University, with an admirable work ethic and the ability to learn new technologies so I can seamlessly adapt to new environments. I have project experience in software, IoT, mobile, web and robotics applications development. Currently seeking part-time employment or a summer internship to allow me to begin a career as a Software Engineer that I am truly passionate about.

EDUCATION

Bachelor of Software Engineering (Honors) 03/2019 - Present

- Deakin University, Burwood - *Distinction Average*

Victorian Certificate of Education 02/2017 - 11/2018

TECHNICAL SKILLS

- JavaScript, C#, Python, Java, Android development, C++, NodeJS, jQuery, Express.js, ReactJS, MySQL, MongoDB, HTML, CSS, Git

PROJECTS

Pathfinding Algorithm Visualizer - Personal project

- I created this project because I was interested in seeing Dijkstra's and AStar pathfinding algorithms in action, because they were only briefly mentioned in school
- The algorithms are implemented in JavaScript and displayed using plain HTML and CSS

Delivery Tracking Web App prototype - Second year university group project - *High Distinction*

- This system prototype tracks mock deliveries as they travel from warehouses to stores
- I lead the team in developing the prototype in four weeklong sprints, communicating regularly with the client regarding the product requirements
- Utilised a NoSQL database hosted by MongoDB
- Featured user input validation & JWT authentication
- Contained Google Maps APIs integration to track and get estimated arrival time
- Used MQTT for communication between mock IoT devices
- All API endpoints were documented using apiDoc and tested using Jest
- The applications front end was developed in ReactJS

Automatic Calendar Updater - Personal project

- This project automatically adds my part-time work shifts into my google calendar
- I achieved this by using web scraping with Selenium in Python to download and read the pdf roster, and a NodeJS app to connect to the Google Calendar API creating new calendar events

Smart Doorbell - Second year university project - *Distinction*

- Incorporated a Raspberry Pi, Particle argon, basic web server, camera, and a variety of sensors to create a Smart Doorbell' embedded system
- Developed using Python, C#, and HTML

Alarm System - First year university group project - *Distinction*

- Worked collaboratively in agile sprints, using an Arduino, motion sensor, buzzer, and a keypad to create a Household Alarm system prototype
- Used C++

EXPERIENCE

Team Supervisor/Member Woolworths 05/2017 - Present

- Team leading experience
- Provided excellent customer service by fulfilling customer inquiries; and make product recommendations based on customer needs, maintaining an average 'Voice of Customer' survey score of 80 (exceeding store targets)
- Worked efficiently as both a team member and supervisor to problem solve and complete great work to Woolworths company standard every time
- Followed orders diligently and showed initiative in the multiple departments, was entrusted with greater responsibilities as a result, culminating in a supervisor role

INTERESTS

My hobbies include basketball, surfing, and fitness as I enjoy maintaining a healthy, balanced, and regimented lifestyle. However, I am most passionate about architecting multifaceted IoT systems. I have an analytical brain and enjoy dissecting the intricacies of designing systems to be holistic, user centric and fault tolerant, while ensuring the solution is efficient. I am truly zealous when it comes to both university and personal projects and always give them my all. I hope to apply this enthusiasm to part-time employment or a summer internship to allow me to begin a career as a Software Engineer that I am truly passionate about.

REFEREES

Available upon Request