

# David Ballock

B.Eng (civil)

Highly motivated, self-taught developer with a background in civil engineering, seeking a career change to software development industry.

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<https://github.com/Heckles44>

## PROFESSIONAL EXPERIENCE

### Banyule City Council

#### *Traffic and Transport Engineer*

JULY 2020 - PRESENT

A local council based out in the northeast suburbs of Melbourne, my primary duties include undertaking and providing solutions to matters relating to parking, traffic management and transportation ensuring that applications and customer requests are dealt with promptly. My responsibilities included:

- Assessing planning applications and traffic management plans
- Providing recommendations on traffic/parking related issues
- Exercising professional judgement in matters relating to road safety
- Investigating complex matters relating to traffic engineering

### One Mile Grid, Melbourne

#### *Project Engineer*

MAY 2018 - JANUARY 2020

#### *Traffic Engineer*

NOVEMBER 2016 - APRIL 2018

A boutique traffic engineering consultancy, the small scale of One Mile Grid has afforded me exposure to a wide range of projects in the residential, commercial, industrial, transport, education and health sectors. My duties include:

- Preparing Traffic Impact Assessments, Waste Management Plans, Construction Traffic Management Plans and Green Travel Plans for a range of industries and developments
- Utilising SIDRA traffic modelling and Bentley Microstation software
- Developing, and maintaining, close relationships with external stakeholders to bring in new business
- Using my knowledge of local planning schemes, planning acts and regulations, various Australian standards and Austroads Guides to provide design development advice

## PROGRAMMING SKILLS

HTML, CSS, JavaScript, React.js, Node.js, Express.js, Command Line, Git, Github, Python (basic).

## OTHER SKILLS

**Software** – Advanced Microsoft Word, Microsoft Excel skills and Record Management Systems (RMS); Intermediate SIDRA skills (I've undertaken a two-day intermediate SIDRA training workshop); basic AutoCAD & microstation skills.

## **Metropolitan Fire Brigade, Richmond — Graduate Engineer**

AUGUST 2014 - OCTOBER 2016

At the Metropolitan Fire Brigade (MFB) – as part of the Community Safety Technical Department – my primary duty was to review technical engineering reports and host stakeholder meetings, acting on behalf of the Chief Officer. My responsibilities included:

- Performing on-site risk assessments of existing waste tyre recycling facilities
- Reviewing professional engineering documentation (fire engineering briefs and reports) by using my knowledge of the Building Code of Australia (BCA) and other Australian Standards
- Furthering my knowledge of firefighter operations
- Liaising with external consultants as a regulatory authority

## **Rocla Pty Ltd, Langwarrin — Graduate Engineer**

JANUARY 2014 - AUGUST 2014

During my time with Rocla, I worked alongside the Quarry Manager of Rocla's Langwarrin and Lang Lang quarry sites. My primary responsibilities included:

- Performing soil testing in accordance with AS1411.1
- Daily logistics management
- Liaising with clients to determine project specifications
- Implementing environmental and safety enhancements

## **PROGRAMMING EDUCATION**

### **Udemy**

#### ***The Complete Web Developer Course 2020: Zero to Mastery Certification***

2019 - 2020

Technologies covered include: HTML, CSS, Bootstrap, JavaScript, React, Git, Github, Node.js, Express.js, NPM, PostgreSQL.

### **Udemy**

#### ***JavaScript Tutorials and Projects Course Certification***

2019 - 2020

Content covered include: DOM, Objects, ES6, Modules, Async JavaScript, AJAX.

### **Udemy**

#### ***HTML Tutorials and Projects Course Certification***

2019 - 2020

Content covered include: HTML, CSS, CSS Flexbox, CSS Grid

## **Udemy**

### ***The Creative HTML5 & CSS3 Course Certification***

2019 - 2020

Content covered include: HTML, CSS, CSS Flexbox, CSS Grid, SASS.

## **Udemy**

### ***The Complete JavaScript Course 2020 Certification***

2019 - 2020

Content covered include: DOM, Objects, ES6, Modules, Async JavaScript, AJAX.

## **Udemy (in progress)**

### ***React.js Tutorials and Projects Course Certification***

2019 - 2020

Content covered include: Create-react-app, JSX, Props, Hooks, Redux.

## **Udemy (in progress)**

### ***The Complete Node.js Developer Course Certification***

2019 - 2020

Content covered include: Module and File System, Express.js, Async, MongoDB, Promises, Socket.IO, .

## **Codecademy**

### ***HTML, CSS, JavaScript, React.js Certifications***

2019 - 2020

## **TERTIARY EDUCATION**

### **Victoria University, Werribee**

#### ***Graduate Diploma of Building Fire Safety and Risk Engineering***

MARCH 2015 - DECEMBER 2016

Undertaken while managing full-time employment with the MFB.

### **Swinburne University of Technology, Hawthorn**

#### ***Bachelor of Civil Engineering***

JANUARY 2011 - DECEMBER 2013

- Weighted average mark of 80%
- Graduated with Upper Second Class Honours
- Finished top of the class in the unit "Water and Environmental engineering" (95/100)