

# BENJAMIN GAMBLING

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Portfolio: <https://benjamin-gambling.github.io/>

## PROFILE

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I'm a self-taught full-stack web developer with a professional history in computational structural dynamics and guest experience. Specialising in JavaScript I have developed a strong portfolio of responsive and visually pleasing web applications using modern technologies, test driven development, object orientated design and all with a focus on writing clean, elegant and efficient code.

## EDUCATION

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2020 - NOW THE ODIN PROJECT / FREE CODE CAMP / HARVARD CS50

Using multiple online resources to educate myself in web development, I created a number of personal projects along side tutorials and coursework to reinforce what I had learnt. Aligning the curriculums to gain a deeper understanding of programming concepts and adapt to different styles of learning and preferences to find what worked well for me.

2010-2014 UNIVERSITY OF SHEFFIELD - MENG CIVIL & STRUCTURAL ENGINEERING

Specialising in structural dynamics in high stress situations, mainly high-rise structures under blast, fire and seismic loads. My final year project involved modelling steel framed structures under high temperature loadings. Receiving a final grade of 2:1 with honours.

## EXPERIENCE

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2016 - 2020 VAIL RESORTS - PRODUCT SALES & SERVICES SUPERVISOR

Working in number of roles within the product sales and services team in both Falls Creek, Australia and Whistler, Canada, I have overseen large teams of seasonal employees who are required to sell products and provide exceptional guest service. I have played a huge part in the testing and integration of a new point of sales system, which was produced in house and is continuously being developed. As the largest resort it is vital that both the guests and employees have a smooth user experience with our online and in resort sales systems. Providing in-depth training, constant development and online resources through our intranet as well as a constant front line presence to assist however it was needed.

2014 - 2016 TPS CONSULT - BLAST ENGINEER

Recruited straight out of university for my masters work involving the dynamic effects on buildings in disastrous circumstances. The job consisted of work winning, project/account management, researching potential clients and working within large teams of multi-disciplinary and multi-national personnel. The engineering side consisted of a range of different roles such as blast engineering, structural analysis and design, counter terrorism measures, hostile vehicle mitigation and explosive safety. I also was involved with the structural engineering team where I developed some tools and strategies to create efficient pad foundation design.

## LANGUAGES / FRAMEWORKS

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### Front-End

- JavaScript (ES6 +)
- HTML5
- CSS3/SASS
- React
- Bootstrap
- Webpack
- D3.js

### Back-End

- Node.js
- Express.js

### SQL/NoSQL

- TSQL/SQLite
- MongoDB w/ Mongoose
- Firebase

### Test Driven Development

- Jest/Jasmine/Chai

### Cloud Platforms

- Heroku
- Firebase

### Version Control

- Git
- Github

### Structural

- MATLAB/ MathLAB
- Fortran
- Visual Basics

## SKILLS

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- Problem solving
- Critical thinking
- Object-orientated design
- Working with modern technologies
- Leadership/Teamwork
- Adaptability