

# Dec Kolakowski

**Github:** dpwdec

**LinkedIn:** dec-kolakowski

**Website:** dpwdec.github.io

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## ABOUT

I am a software developer, a TDD enthusiast and an evangelist for clean code. I graduated with a first class degree from Trinity College in Musical Composition. I spent ten years making games as a hobbyist and working in technology-driven art and animation projects. Through using code in these projects I discovered a love for programming and its expressive potential. In 2020 I made the decision to transition fully into software development by attending Makers academy.

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## SKILLS

**JavaScript:** Vanilla JS, React, Node.js, Express, Cypress, Jest, Mongoose

**Rust:** Cargo, Test, Rand

**Python:** unittest, Pipenv

**Ruby:** RSpec, Capybara, Rails, Sinatra

**Testing:** TDD, BDD, Spec / AAA Test Patterns

**Databases:** SQL, MongoDB, PostgreSQL

**Web Development:** API creation, Full stack, Single Page Web Apps, HTML, CSS

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## EDUCATION

### *Makers Academy (April 2020 to July 2020)*

- Fullstack web development
- Effective remote working
- Object oriented design
- Agile methodologies
- Test driven development
- Ruby, JavaScript, Python

### *Trinity College (September 2011 to June 2015)* *- First Class Honours*

- Musical Composition (Orchestral and Electro-acoustic).
- Created or participated in a range of artistic cross-cultural and internal collaborative arts projects.
- Created professional recordings and integrated technology with music.

## PROJECTS

### *GraphWFC.rs*

A generalised graph based implementation of Maxim Gumin's original Wave Function Collapse algorithm.

**Tech Stack:** Rust, Cargo, Rand

### *Re-Engage Charity Organiser Portal*

A fully integrated tooling environment developed for the UK registered Re-Engage charity to facilitate volunteer co-ordinators to organise events with member management and automated route planning.

**Tech Stack:** JavaScript, Node.js, MongoDB, Express, React, Google Maps API (Directions/Rendering), Lodash, Genetic Algorithms, Cypress, Jest

### *Maker's B'n'B*

A full stack clone of Air B'n'B.

**Tech Stack:** Ruby, Sinatra, Sinatra-Flash, Bcrypt, Pony, RSpec, Capybara

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## EXPERIENCE

### *Proofreader (2015 - 2020)*

I ran a successful proofreading and tutoring business for five years which focussed on providing high quality proofing services to overseas students and academics looking to publish work in the UK.

- Proofread for leading academics and science journals most notably the International Journal of Thermophysics.
  - Frequently proofed documents in the range of 10-20 thousand words within a 24 hour turn around period.
  - I ensured that over 90% of my clients made a gain of at least two grade boundaries between assignments while working with me.
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## INTERESTS

- I am a long time meditator. I have trained in the Transcendental, Vipassana and Dzogchen traditions.
- I run a collaborative music video club on discord in which a community of music video lovers come together to experience cross cultural music.
- I play music regularly (Grade 8 in Baroque Recorder).
- Yoga and running.