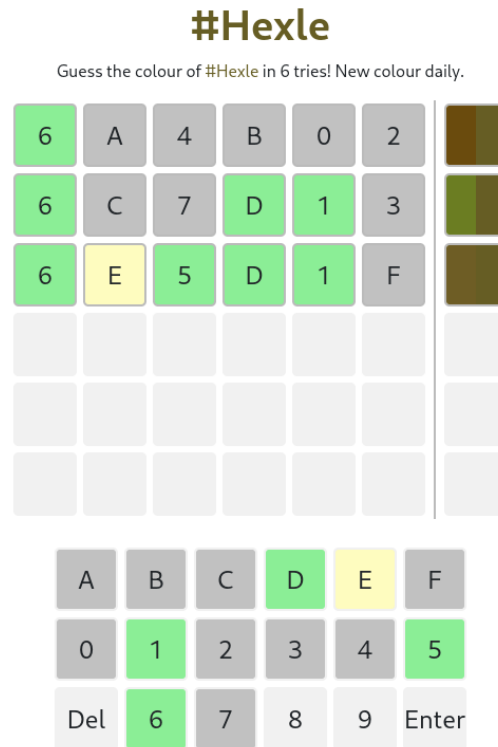


# Portfolio

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Visit <https://tinyurl.com/daniel-qu-portfolio> for short video demonstrations.

## Hexle - Wordle Variant (Typescript, React, CSS)



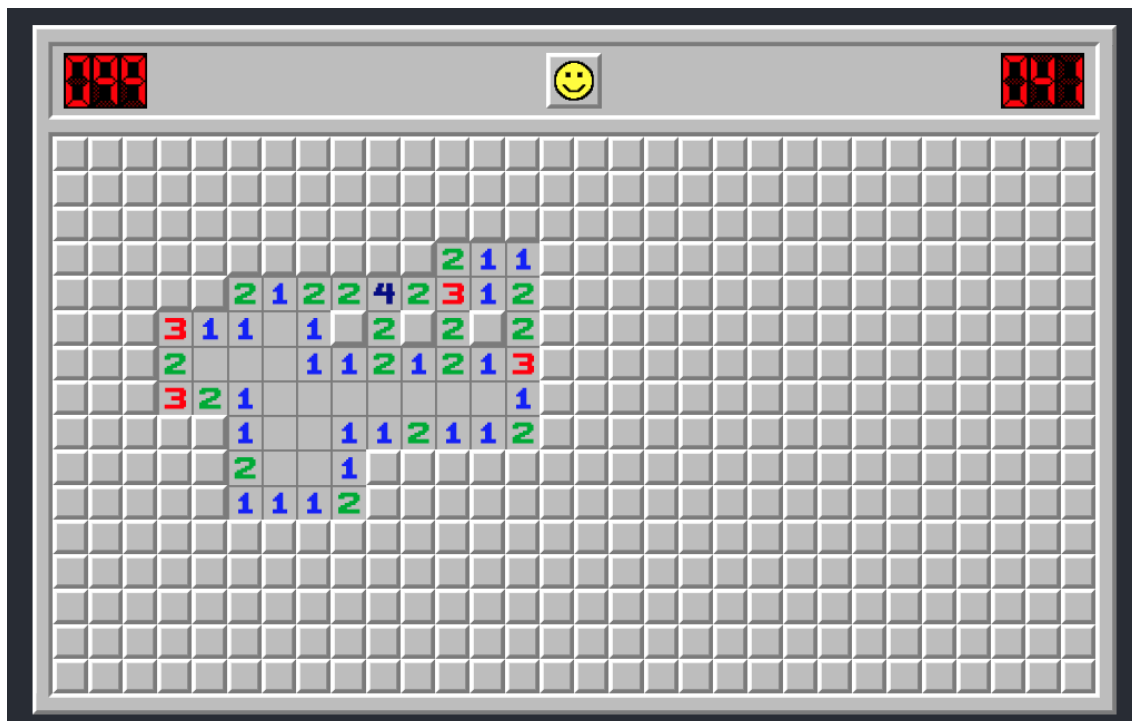
- Try the guessing game out at [frankljin.github.io/hexle/](https://frankljin.github.io/hexle/)

## Midnight Sun Driver Dashboard (Flutter)



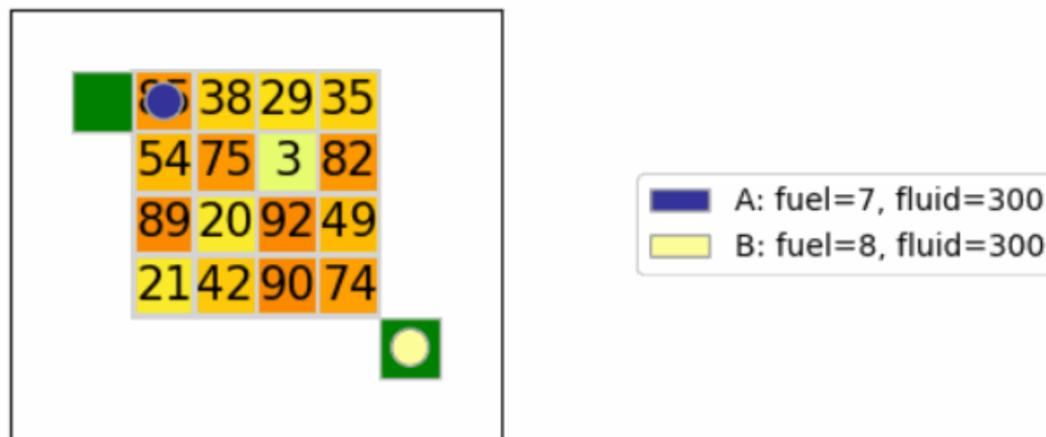
- Display used as dashboard for Midnight Sun's Solar Car during an international solar car competition.
- Shows a subtle animation to alert driver when recommended speed changes.
- Used gradients effectively to improve UI and meet design specifications.

## Minesweeper-Multiplayer (React, Socket.io, Express)



- Created Minesweeper clone in React - see <https://csclub.uwaterloo.ca/~d3qu/minesweeper/>.
- All assets were hand-made in Figma.
- Currently working on adding real-time multiplayer with Socket.io, a websocket wrapper.

## Waterloo Engineering Competition 2020 - Programming Division (Python)



- Solved programming optimization problem with team, involving giving directions to cleaning robots.
- Carefully considered and developed algorithm to choose robot starting locations (green tiles).
- Maximized competition score by maximizing tiles cleaned, minimizing fuel, fluid, and number of robots used.

## Spotify-Track (TypeScript, MongoDB)

```
=====3:49:00 AM=====
~~ [REDACTED] is listening to - Lovesick by Trevor Daniel
=====3:49:20 AM=====
~~ [REDACTED] is listening to - Anyone by SEVENTEEN
~~ [REDACTED] is listening to - Angel Baby by Troye Sivan
~~ [REDACTED] is listening to - 永遠に by Little Glee Monster
=====3:49:40 AM=====
=====3:50:00 AM=====
~~ [REDACTED] is listening to - Stereo Hearts (feat. Adam Levine) by Gym Class Heroes
~~ [REDACTED] is listening to - La thune by Angèle
~~ [REDACTED] is listening to - Are You Bored Yet? (feat. Clairo) by Wallows
~~ [REDACTED] is listening to - Come to Life by Kanye West
=====3:50:20 AM=====
~~ [REDACTED] is listening to - California Dreamin' - Single Version by The Mamas & The Papas
~~ [REDACTED] is listening to - 青花瓷 by Jay Chou
~~ [REDACTED] is listening to - Jocelyn Flores by XXXTENTACION
~~ [REDACTED] is listening to - Evergreen by softy
~~ [REDACTED] is listening to - Catching On (feat. Nevve) - B-Sides Remix by Elephante
=====3:50:40 AM=====
~~ [REDACTED] is listening to - Rumor by Moore Kismet
~~ [REDACTED] is listening to - Passionfruit - Stripped Version by Josh Saburto
```

- Created Node script to track friend listening history into MongoDB since Spotify does not officially support an API for friend listening activity.