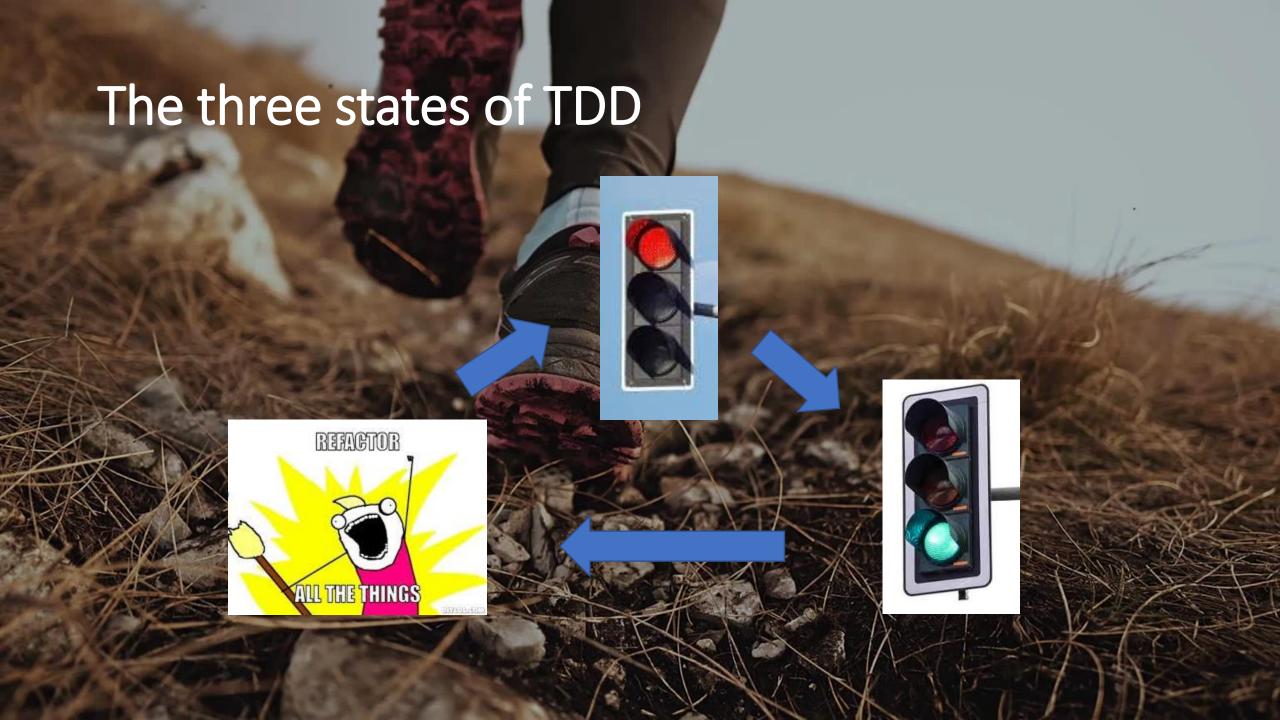


## TDD Walking

Sacha Peter









- Simplest code to pass the test
- Fake implementation
- Obvious implementation
- Triangulation
- Transformation Priority Premise:

| #  | TRANSFORMATION               | STARTING CODE    | FINAL CODE                    |
|----|------------------------------|------------------|-------------------------------|
| 1  | {} => nil                    |                  | return nil                    |
| 2  | nil => constant              | return nil       | return "1"                    |
| 3  | constant => constant+        | return "1"       | return "1" + "2"              |
| 4  | constant => scalar           | return "1" + "2" | return argument               |
| 5  | statement => statements      | return argument  | return arguments              |
| 6  | unconditional => conditional | return arguments | if(condition)return arguments |
| 7  | scalar => array              | dog              | [dog, cat]                    |
| 8  | array => container           | [dog, cat]       | {dog = "DOG", cat = "CAT"}    |
| 9  | statement => recursion       | a + b            | a + recursion                 |
| 10 | conditional => loop          | if(condition)    | while(condition)              |
| 11 | recursion => tail recursion  | a + recursion    | recursion                     |
| 12 | expression => function       | today - birthday | CalculateAge()                |
| 13 | variable => mutation         | day              | var day = 10; day = 11;       |
| 14 | switch case                  |                  |                               |





