# Grundlagen der Programmierung von Progressive Web Apps

## Web Worker

Alexander Miller
alles.mil@gmail.com

Ausbildung Junior Software-Entwickler
WIFI Salzburg

Frühjahr 2020

Version 15. April 2021

# Web Worker

Drei Arten von Web Worker:

- Dedicated Worker
- Shared Worker
- Service Worker

# Erzeugung

```
// script.js:
if (window.Worker) {
  let worker = new Worker('worker.js');
}
```

# Kommunikation

- Message Passing zwischen Main und Workers
  - Nachrichten werden kopiert
- Kein Zugriff auf DOM durch Worker

# Nachrichten zum Worker

```
// script.js
worker.postMessage('Do something!');

// worker.js
onmessage = function(e) {
  console.log('Message received from main');
  let message = e.data;
}
```

# Nachrichten vom Worker

```
// worker.js
postMessage('Did something');

// script.js
worker.onmessage = function(e) {
  console.log('Message received from worker');
  let message = e.data;
}
```

# Termination

```
worker.terminate();
```