Protab

Summer Camp for Programmers

Marian Šámal
Jiří Benc
DevConf.cz 2019
The Camp

Since 1998

For 8 days

About 25 attendees, 12 - 19 yo

In the mountains
The Attendees

Some programming experience required

Different programming languages

Different operating systems
The Program

Talks and workshops

Outdoor games

Programming contest
The Talks

Algorithms, data structures
Computers, networks, hardware
Programming languages
Open source, legislation
... etc.
& guest talks
The Games

Puzzle hunts

Economy games

Computer principles live

… etc.

& hiking
The Technology

Camp server (Debian)

Internal web app (Django)

Own top level domain :-) (bind)

Custom solution for the contest
The Contest

https://github.com/protab/

Netrobots (2013)

Mazec (2017)

Septic (2018)
Mazec

“Maze-like remote controlled task framework”

Task: write a client to solve the maze

Libraries for various languages available

Websocket life view
Septic

“Runtime environment for CS contests in Python”

Task: Write a Python program

Executed in a container at the server

Controlled access to object properties

Using Ace code editor
Collaboration

High demand
Not enough capacity
Other opportunities?
Protab

http://protab.cz/