

**BUILDING your
OWN COMPUTER
LANGUAGE FOR
FUN and PROFIT**

**DID YOU EVER WANT TO BE a
LANGUAGE DESIGNER?**

- **THE FAME, THE FORTUNE!**

DID YOU EVER WANT TO BE A LANGUAGE DESIGNER?

- THE FAME, THE FORTUNE!
- PEOPLE WILL STOP YOU ON THE
STREET AND OFFER TO BUY YOU
DRINKS

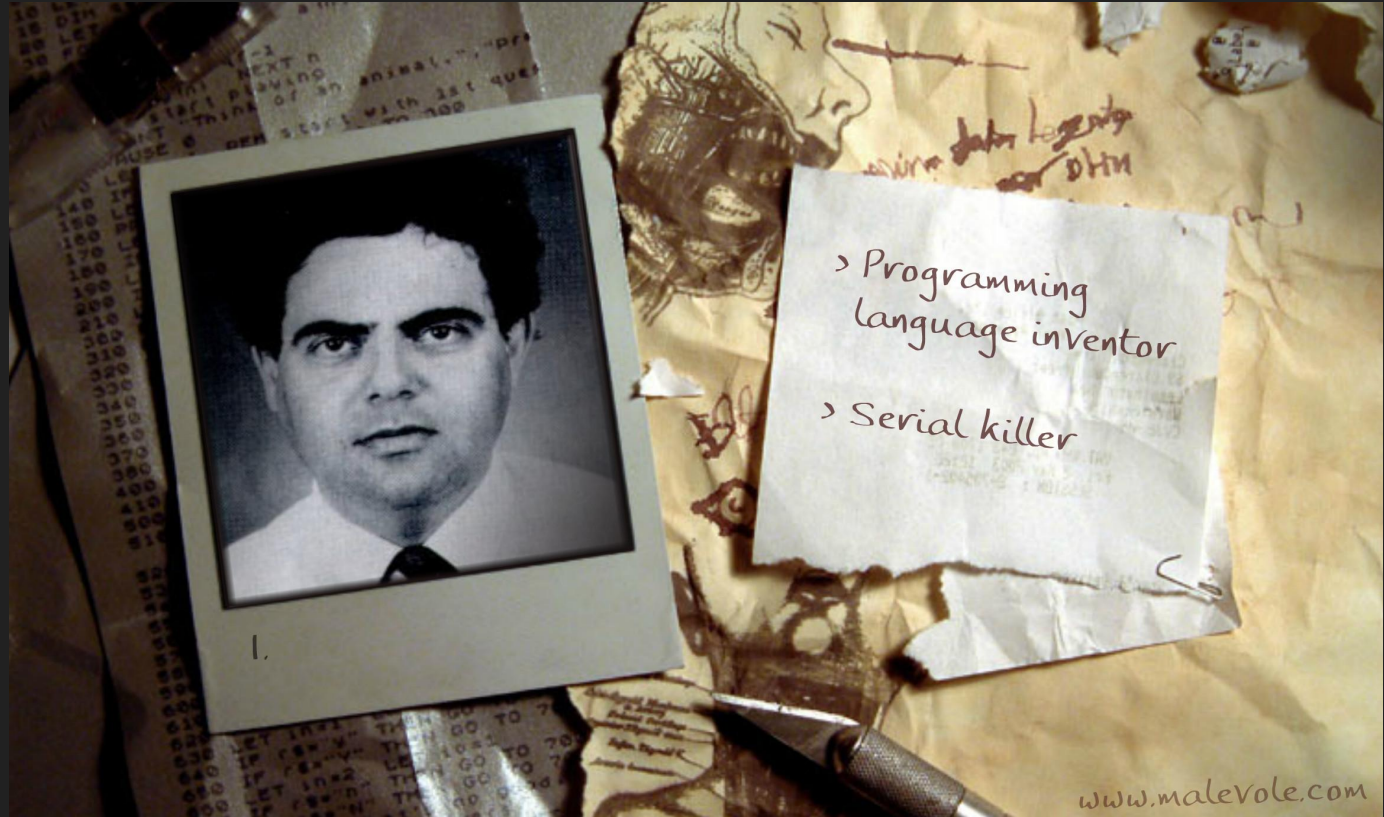
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- GET INVITED TO EXCLUSIVE PARTIES

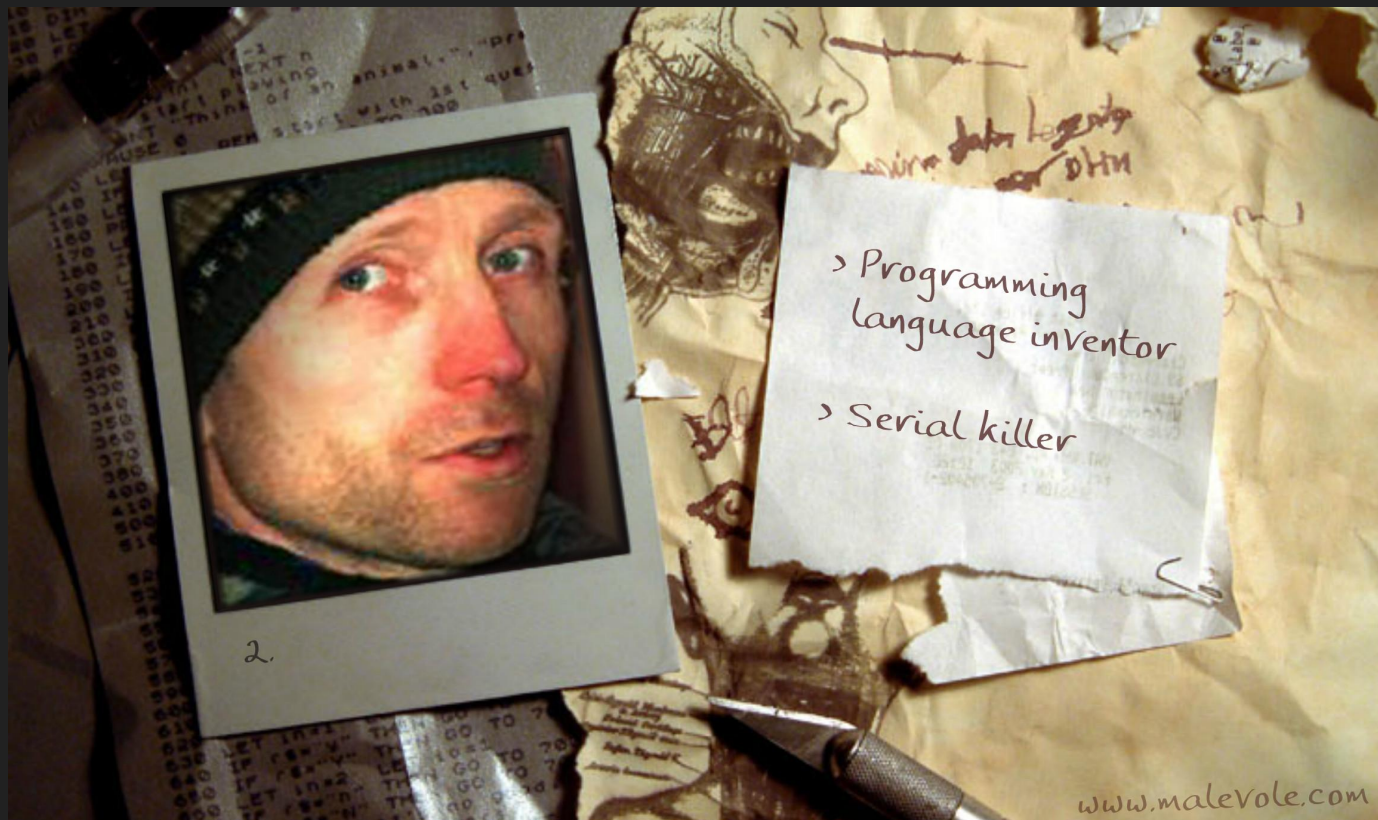
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- THE Fame, THE FORTUNE!
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- GET INVITED TO EXCLUSIVE PARTIES
- PEOPLE WILL MISTAKE YOU FOR A mass murderer

Language Designer or SERIAL KILLER?

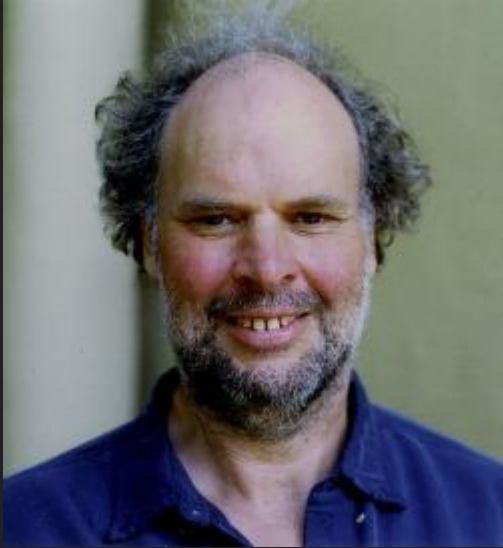


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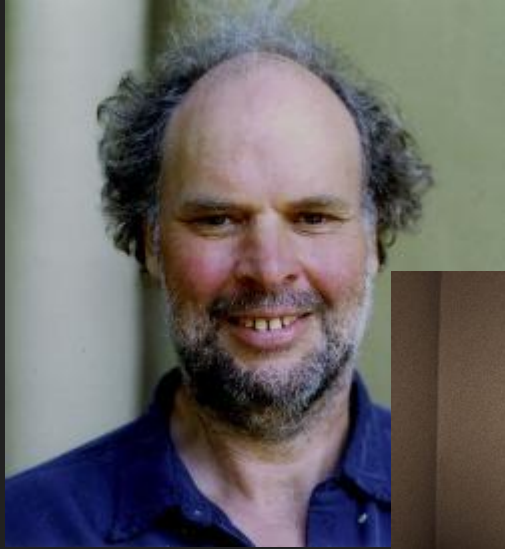


**UNFAIR! YOU COULD DO THE
same WITH mathematicians**

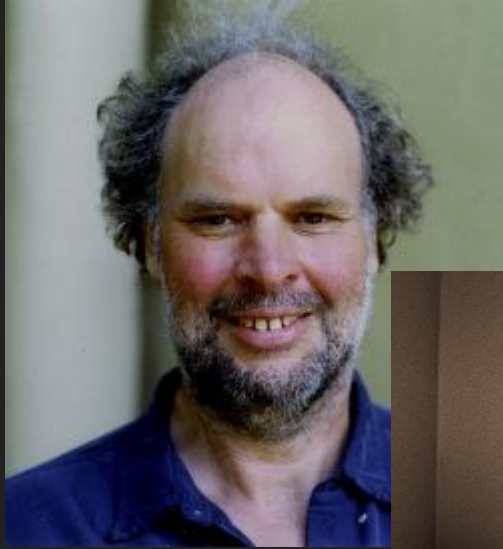
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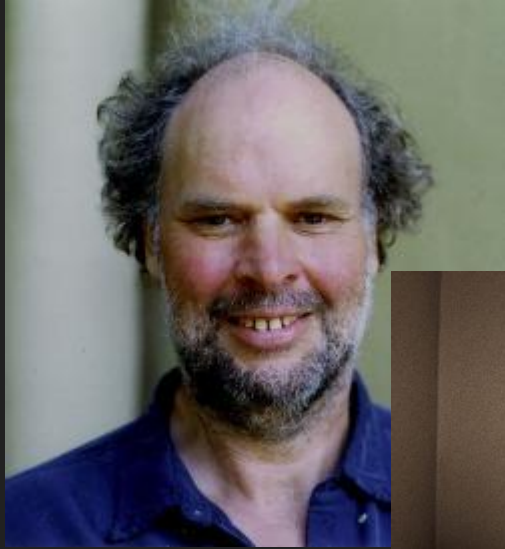
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NOW YOU CAN WRITE YOUR OWN COMPILER!

- LLVM OPEN SOURCE COMPILER
FRAMEWORK

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- LLVM OPEN SOURCE COMPILER FRAMEWORK
- USED IN XCODE
- HAS AN API AND A NICE INTERMEDIATE FORMAT
- EVEN DOES GARBAGE COLLECTION AND JIT MODE NOW!

DEMO PROJECT

- WRITTEN IN DART
 - NICE LANGUAGE, PROGRAMMER UX,
WEB/IOS/ANDROID

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- DONE WITH VIM
 - BECAUSE BRAIN DAMAGE

DEMO PROJECT

- WRITTEN IN DART
 - NICE LANGUAGE, PROGRAMMER UX, WEB/IOS/ANDROID
- DONE WITH VIM
 - BECAUSE BRAIN DAMAGE
- COMPILES A REGEXP LANGUAGE
 - IT'S KINDA MY THING!

HERE COME THE CONCLUSIONS!

CONCLUSIONS

- THE PRINTF COMPILER (OR USE API)

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- GOOD CODE QUALITY

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- BIG, RATHER FRIENDLY COMMUNITY

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- GOOD CODE QUALITY
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- DON'T BUY THE DRAGON BOOK ANY MORE

QUESTIONS?

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- Are THESE THE WRONG KIND OF REGEXPS?
- DOES GARBAGE COLLECTION WORK?
- HOW WOULD YOU IMPLEMENT * OR .