



RODRIGO DE FRUTOS

\$> t3chfest

# CÓMO SER UN JEDI DEVELOPER

Leganés, 11 y 12 de febrero





# ¿Y QUIÉN ES ESTE TÍO?

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- ▶ android developer
- ▶ bq
- ▶ tuenti
- ▶ UC3M
- ▶ cofundador t3chfest
- ▶ betabeers
- ▶ aprendiz de impro

**¿QUÉ ES PROGRAMAR?**

**¿Y CÓMO ES UN BUEN  
PROGRAMADOR?**

COPY-PASTE

QA MANUAL

# ES FÁCIL SER TENTADO POR EL LADO OSCURO

PARECE QUE  
FUNCIONA

REQUISITOS  
VAGOS

MAL  
DISEÑO

MALAS  
ESTIMACIONES



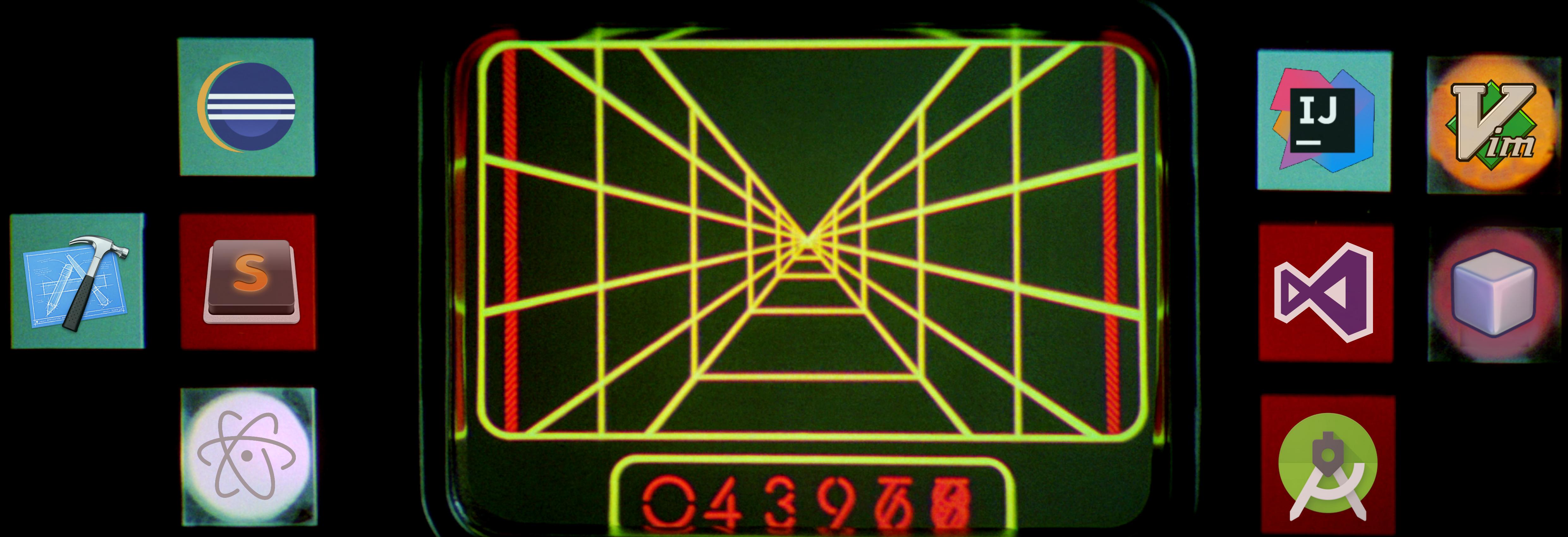
TIP 1

**CONOCE TUS HERRAMIENTAS**

A close-up photograph of a futuristic control panel, likely from a Star Wars droid. The panel features several glowing blue and red buttons, a small circular display with a grid pattern, and a hand holding a cylindrical device with a glowing end. The overall aesthetic is metallic and high-tech.

APRENDE A USAR LA CONSOLA

# CONOCE TU ENTORNO DE DESARROLLO





# UTILIZA SISTEMAS DE CONTROL DE VERSIONES

# 404

Dropbox is no the  
version control  
system you are  
looking for.



TIP 2

CUIDA TU CÓDIGO

**“CÓDIGO DUPLICADO, OBJETOS DIOS, MALOS NOMBRES, EL LADO OSCURO ELLOS SON. SI ALGÚN DÍA RIGEN TU VIDA, PARA SIEMPRE TU DESTINO DOMINARÁN.”**

Maestro Yoda

# CLEAN CODE

- ▶ nombres significativos
- ▶ clases y métodos cortos
- ▶ responsabilidad bien definida de métodos y clases (S.R.P.)
- ▶ cuidado con los comentarios
  - ▶ Ley de Demeter
- ▶ fail fast, fail soon
- ▶ guias de estilo

A scene from Star Wars: The Force Awakens. Han Solo is in the foreground, looking back over his shoulder with a weary expression. Chewbacca is behind him, looking forward. Finn is partially visible behind Han. They are in the cockpit of a Millennium Falcon. The text "K.I.S.S!" is overlaid in large blue letters, and "KEEP IT SIMPLE, STUPID!" is overlaid in white letters.

K.I.S.S!

KEEP IT SIMPLE, STUPID!



D.R.Y.

DON'T REPEAT YOURSELF

# PATRONES DE DISEÑO





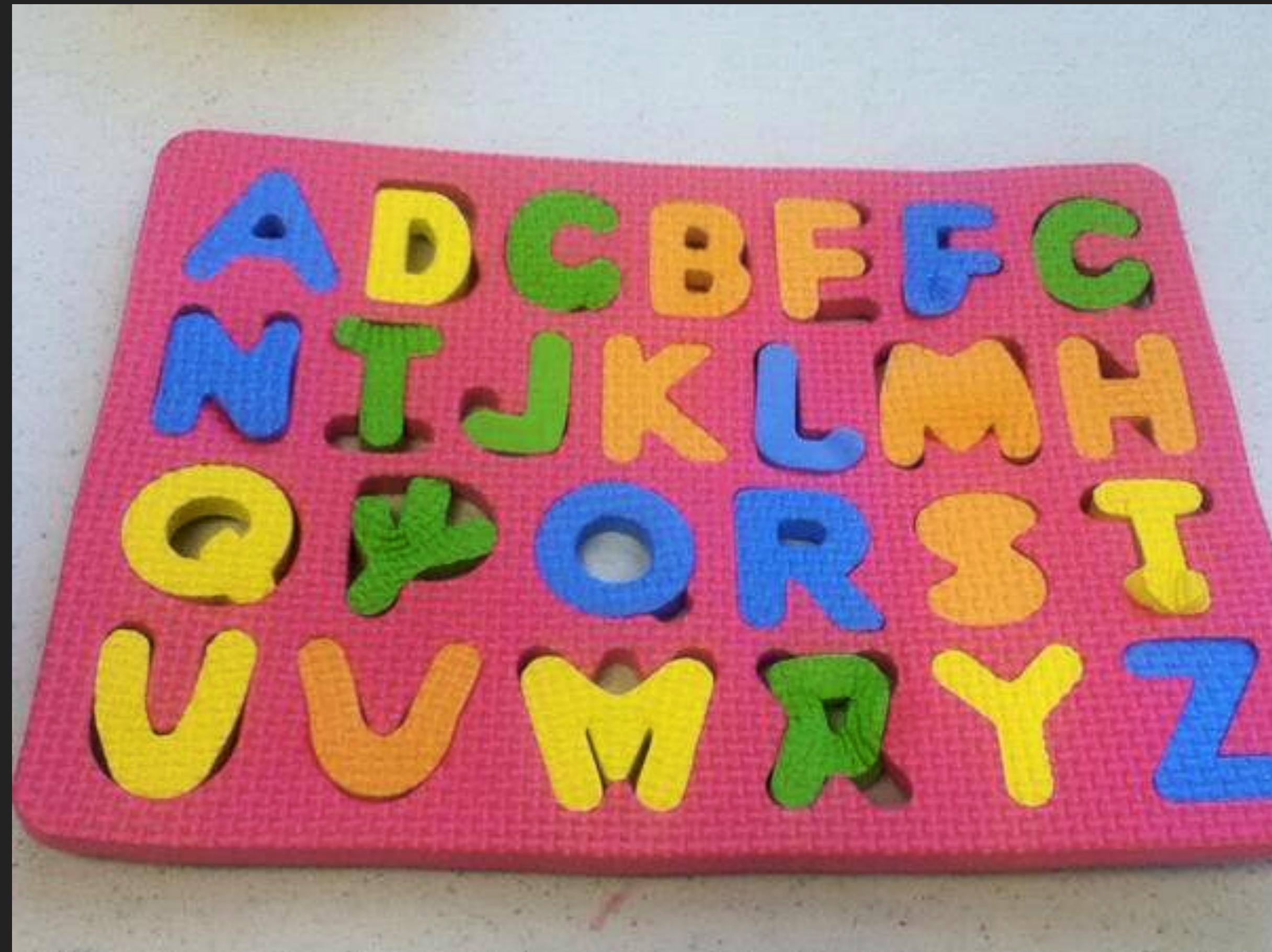
# LA REGLA DEL BOY SCOUT

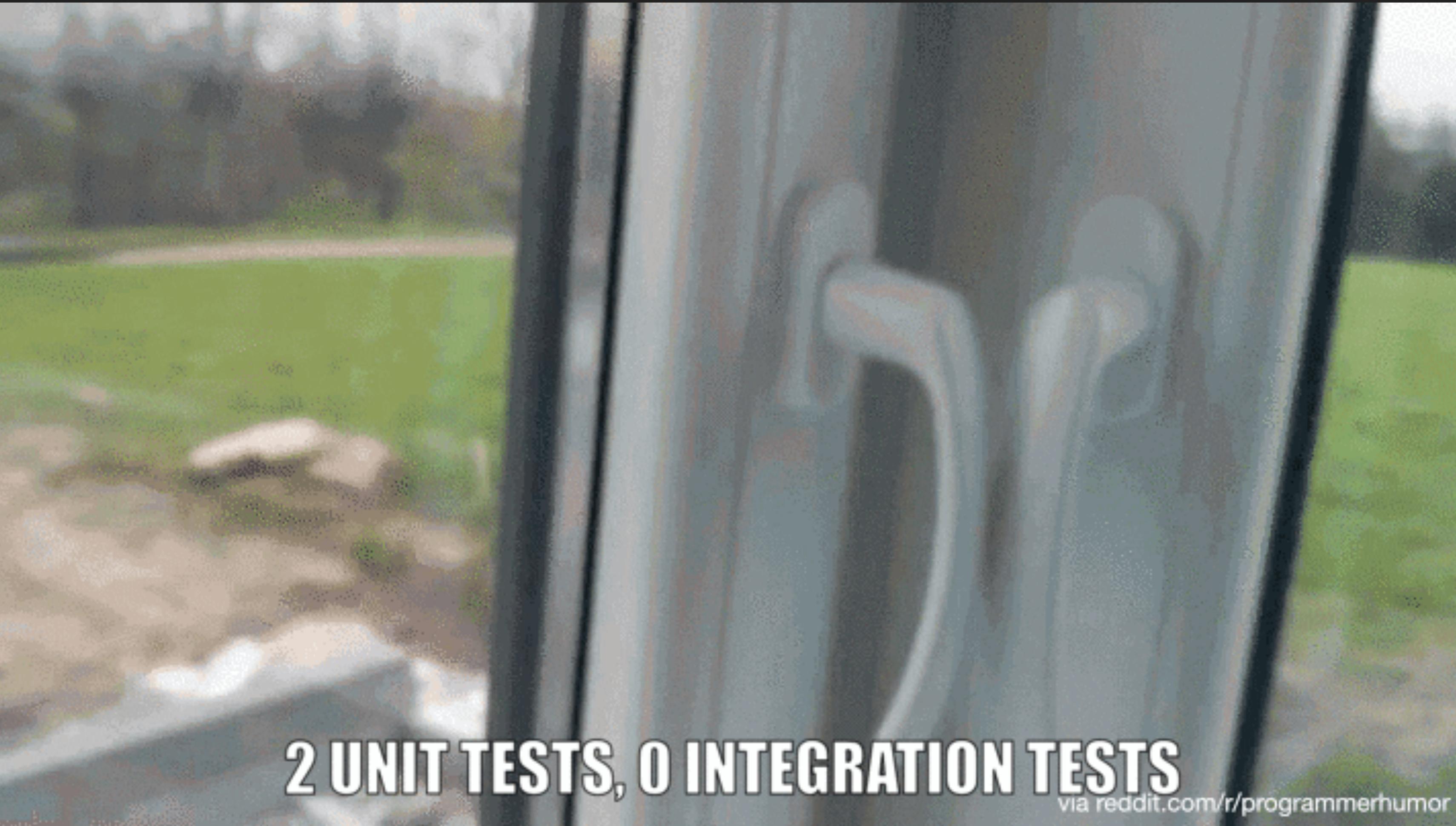
SIEMPRE DEJA EL LUGAR MÁS LIMPIO  
QUE COMO LO ENCONTRASTE

TIP 3

TESTEA, TESTEA, TESTEA

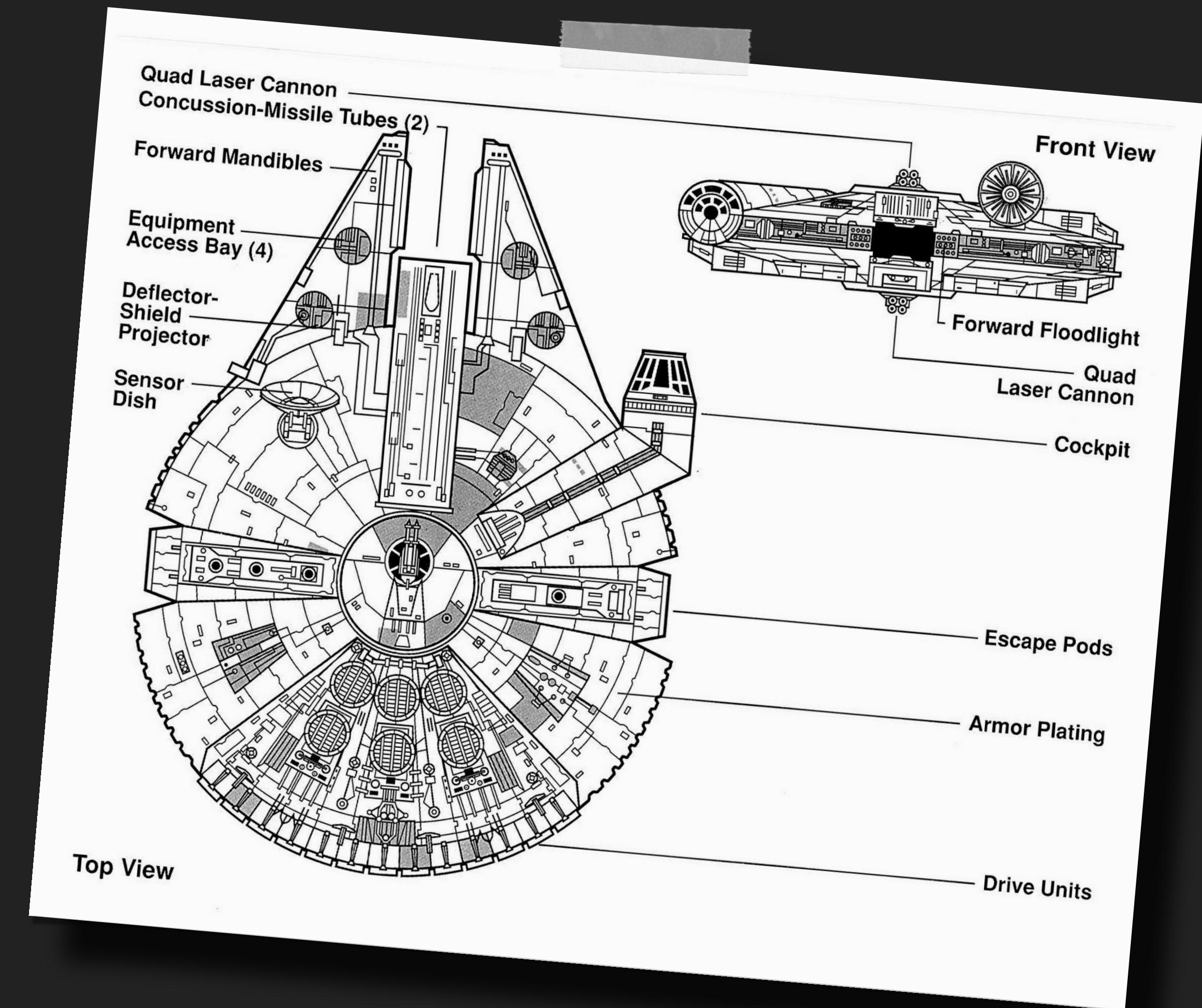
# TEST UNITARIOS





# TEST DE INTEGRACIÓN

# DISEÑA PARA TESTEAR



TIP 4

**ADMINISTRA TU TIEMPO**



Death Star Missile System 2.0

Not Started	In Progress	Ready for Test	Done
			465 PM 469 PM 470 PM
			467 AM 470 AM
			468 AM 470 AM
			469 AM 470 AM

UTILIZA METODOLOGIAS ÁGILES



# POMODORO

A man with dark hair and a mustache is looking upwards and slightly to his right with a thoughtful expression. He is positioned in front of a large, dark stack of books. The background is a textured, light-colored wall.

AUTOMATIZA TAREAS REPETITIVAS

NUNCA HAGAS LO MISMO MAS DE DOS VECES

TIP 5

**PREOCÚPATE POR TU TRABAJO**



UN BUEN DISEÑO ES  
UN BUEN COMIENZO

# TEORÍA DE LAS VENTANAS ROTAS

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“CONSIDEREN UN EDIFICIO CON UNA VENTANA ROTA. SI LA VENTANA NO SE REPARA, LOS VÁNDALOS TENDERÁN A ROMPER UNAS CUANTAS MÁS. FINALMENTE, QUIZÁS HASTA IRRUMPAN EN EL EDIFICIO; Y, SI ESTÁ ABANDONADO, ES POSIBLE QUE LO OCUPEN ELLOS Y QUE PRENDAN FUEGO DENTRO”

James Q. Wilson y George L. Kelling The Atlantic Monthly (1982)

A dramatic scene featuring a Stormtrooper from Star Wars. He is standing on a dark, craggy cliff edge, looking down at a bright blue liquid falling from a pipe. The liquid is cascading down the rock face, creating a waterfall-like effect. The Stormtrooper is wearing his iconic white armor with orange accents and a black helmet. The background shows more of the rugged, rocky terrain under a cloudy sky.

**APRENDE A DECIR “SI”**

A woman with long brown hair is sitting in a car, looking down with her head in her hands, appearing distressed. She is wearing a grey sweatshirt. The background shows the interior of a car with blue seats.

**APRENDE A DECIR “NO”**

TIP 6

**MEJORA TUS CONOCIMIENTOS**

A scene from Star Wars: Episode I - The Phantom Menace. Qui-Gon Jinn, a tall Human Jedi Knight with long white hair and a beard, stands on the left looking towards the right. In the center, Jar Jar Binks, a Gungan with a large head, two antennae-like ears, and a thick neck, looks back at Qui-Gon. They are in a lush green forest. The quote is overlaid in large blue text.

**“LA CAPACIDAD DE HABLAR  
NO TE HACE INTELIGENTE”**

Qui-Gon Jinn

# APRENDE UN LENGUAJE DE PROGRAMACIÓN AL AÑO

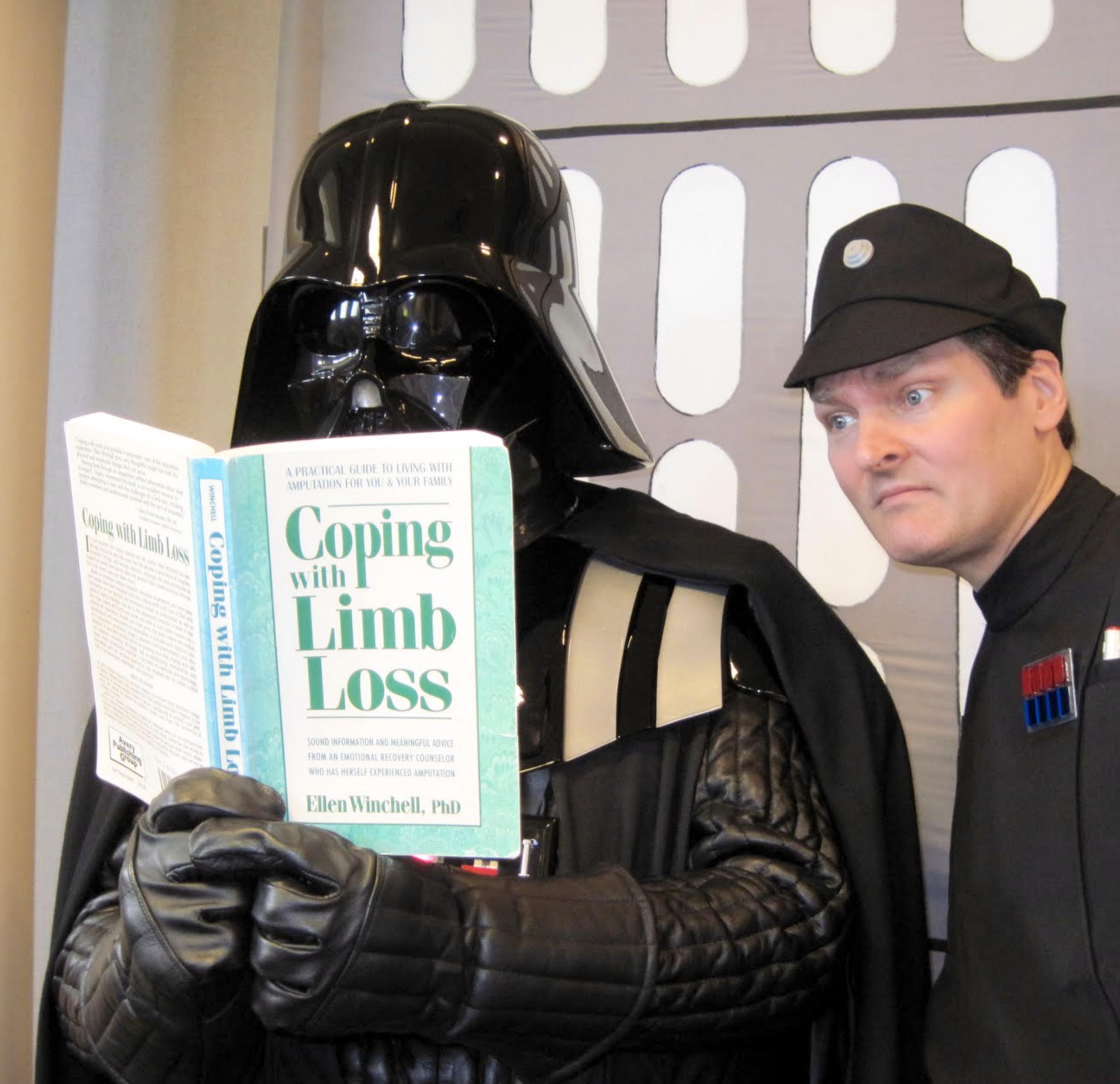
<http://www.slideshare.net/alotor/codemotion-2014-20-lenguajes-en-40-minutos>

*ABAP* *AutoIt* *BASIC* *C/C++* *C#*  
*COBOL* *Fortran* *Go* *Haskell*  
*Java* *Javascript* *Kotlin* *Lisp*  
*Logtalk* *Modula-2* *OCaml* *Perl*  
*PHP* *PowerBuilder* *Pascal* *Prolog*  
*Python* *Ruby* *Smalltalk* *Tcl/Tk*  
*Visual Basic* *VHDL* *Visual FoxPro* *Visual Studio*

*Ada* *ARM* *Java* *Perl* *JavaScript*  
*AppleScript* *Apache* *Node.js* *MongoDB*  
*Apache* *C/C++* *PowerBuilder* *Visual Studio*  
*Android* *ARM* *Java* *Perl* *JavaScript*  
*Apple* *Awk* *API* *Host* *scriptlet* *W*  
*MySQL* *NXTR* *G* *TypeScript* *Logtalk*  
*XQuery* *Agilest* *VEE* *Protocol*  
*Cayenne* *No* *Elixir* *SIGNAL* *Arduino*  
*cC* *Nimrod* *Heron* *CFML* *CIL*  
*SPARK* *Squeak* *ActionScript*  
*AspectJ* *Ch* *C* *Occam* *Fantom*  
*Standard ML* *Erlang* *SAS* *VBScript*  
*J#* *CLU* *X10* *VHDL* *XSLT* *Z shell*  
*ABAP* *PowerBasic* *RPG (OS/400)*  
*HyperTalk* *Yorick* *Ruby* *Limbo*  
*Paradox* *CHILL* *DiBOL* *Turing* *Oz*  
*MEL (Visual)* *FoxPro* *Malbolge*  
*sed* *Q* *Simula* *Plliant* *OCaml*  
*ECMAScript* *LotusScript* *Python*  
*SQR* *Felix* *MUMPS* *Bash* *Java*  
*PL/SQL* *.NET* *Smalltalk* *C#*  
*Nodejs* *Fortran*

# LEER ES IMPORTANTE

LIBROS  
NOTICIAS  
BLOGS



hack.summit()

MADRID ★ JS

Betabeers

tech*ladies*

ASISTE A CHARLAS, MEETUPS Y  
CONFERENCIAS



\$> t3chfest

madrid  
**DEVOPS**

<3 НАСКАТНОИ  
LØV3R5

Agile-Spain  






PRACTICA Y MEJORA TU TÉCNICA

KATAS, HACKATHONES, PROYECTOS OPEN SOURCE



QUE LA FUERZA  
OS ACOMPAÑE

## Recommended Books

CLEAN CODE by ROBERT C. MARTIN

CLEAN CODER by ROBERT C. MARTIN

PRAGMATIC PROGRAMMER by HUNT and THOMAS

DESIGN PATTERNS by GANG OF FOUR

REFACTORING by MARTIN FOWLER

XUNIT TEST PATTERNS by MESZAROS

PRO GIT by SCOTT CHACON

97 THINGS EVERY PROGRAMMER SHOULD KNOW