# 640 KB OUGHT TO BE ENOUGH FOTZANYBODY.

- BILL GATES, CITCA 1981 ANY FOOL CAN WIZITE CODE THAT A COMPUTETZ CAN UNDETZSTAND. GOOD PTZOGTZAMMETZS WIZITE CODE THAT HUMANS CAN UNDETZSTAND.

> - MATZTIN FOWLETZ, FROM REFACTOTZING: IMPTROVING THE DESIGN OF EXISTING CODE

COMPUTETZ SCIENCE IS NO MOTZE ABOUT COMPUTETZS THAN ASTRONOMY IS ABOUT TELESCOPES.

- EDSGETZ W. DIJKSTTZA

DEBUGGNES ANTICIPATED WITH DISTASTE, PETZFOTZMED WITH TZELUCTANCE, AND BIZAGGED ABOUT FOTZEVETZ.

### DOCUMENT MY CODE? WHY DO YOU THINK THEY CALL IT CODE?

DON'T USE THE COMPUTETZ TO DO THINGS THAT CAN BE DONE EFFICIENTLY BY HAND.

EVETZYTHING THAT CAN BE INVENTED HAS BEEN INVENTED.

> - CHATZLES H. DUELL, COMMISSIONETZ, U.S. OFFICE OF PATENTS, 1899

LET YOUTZ DATA STRUCTURES COTZIZECT FITZST AND THE TREST OF THE PROGRAM WILL WIZITE ITSELF.

GOOD JUDGMENT COMES FIZOM EXPERLENCE, AND EXPERLENCE COMES FROMBAD JUDGMENT.

THE BEST TASKS ATZE THOSE THAT STUDENTS FIND A LITTLE TOO DIFFICULT TO COMPLETE COMFORTABLY.

GOOD PTZOGTZAMMETZS KNOW WHAT TO WIZITE. GEZEAT ONES KNOW WHAT TO TZEWIZITE (AND TZEUSE).

> - ETZIC S. RAYMOND, UNOFFICIAL SPOKESPETZSON FOTZ THE OPEN SOUTZCE MOVEMENT

#### THE ABILITY TO CODE IS THE CLOSEST THINGWE HAVE TO A SUPETZPOWETZ

- DIZEW HOUSTON, FOUNDERZOF DIZOPBOX YOU DON'T HAVE TO BE A GENIUS TO CODE. DO 400 HAVE TO BE A GENIUS TO TZEAD?

HALF OF PROGRAMMINGIS CODING. THE 0THETZ-90% 15 DEBUGGNG.

HATZDWATZE IS THE PATZIT OF A COMPUTETZ SYSTEM THAT CAN BE KICKED AND SOFTWATZE IS THE PATZI THAT CAN ONLY BE SCTZEAMED AT.

HE WHO LAUGHS LAST PTZOBABLY MADE A BACK-UP.

- UNKNOWN

L FIND THAT THE HATZDETZ WOTZK, THE MOTZE LUCK SEEM TO HAVE.

- THOMAS JEFFETZSON

# FAT FIZST 40U DON'T SUCCEED, CALL IT VETZSION 1.0.

LE GAM HAD KEPT UP WITH TECHNOLOGY LIKE THE COMPUTETZ INDUSTTZY HAS, WE WOULD ALL BE DIZIVING \$15 CATES THAT GOT 1000 MPG.

LF 40U GIVE SOMEONE A PROGRAM, YOU WILL FIZUSTIZATE THEM FOIZ A DAY; IF YOU TEACH THEM HOW TO PTZOGTZAM, YOU WILL FIZUSTIZATE THEM FOIZA LIFETIME.

F 40U HAVE TOO MANY SPECIAL CASES, 40u ATZE DOWGIT WIZONG.

INSIDE EVETZY LATZGE PTZOGTZAM IS A SMALL PTZOGTZAM STRUGGINGTO GET OUT.

TIS A MISTAKE TO LET ANY ELECTZIO-MECHANICAL DEVICE REALIZE THAT YOU ATZE IN A HUTZIZY.

IT'S HATZD ENOUGH TO FIND AN ETZIZOTZ IN YOUTZ CODE WHEN YOU'TZE LOOKING FOTZ IT, IT'S EVEN HATZDETZ WHEN YOU'VE ASSUMED YOUTZ CODE IS ETZIZOTZ-FTZEE.

- STEVE MCCONNELL

IT'S OKAY TO GIVE ADVICE TO A FELLOW STUDENT IN ENGLISH, BUT NOT MJAVA

KEYBOATZD (N): INSTRUMENT USED TO ENTETZETZAZOTZS INTO A COMPUTETZ

LAZYNESS IS AN ESSENTIAL QUALITY IN A COMPUTETZ SCIENTIST. WHY ELSE WOULD WE WOTZK SO HATZD TO FIND AN EASY WAY TO DO THINGS?

> - KATTZIN BECKETZ, THE BECKETZ BLOG

ANYONE WHO HAS NEVETZ-MADE A MISTAKE HAS NEVETZ TIZIED ANYTHING NEW.

- ALBETZT EINSTEIN

### MULTIPLYINGTBY D. 15 NOT THE SAME AS DIVIDINGBY 1).

FAILUTZE IS AN OPTION HETZE. IF THINGS ATZE NOT FAILING, YOU ATZE NOT INNOVATING ENOUGH.

- ELON MUSK

SOFTWATZE ISN'T RELEASED, IT'S ALLOWED TO ESCAPE.

TESTING CAN SHOW THE PIZESENCE OF BUGS, BUT NOT THEITZ ARSENCE.

TO UNDETZSTAND TZECUTZSION, YOU MUST FITZST UNDETZSTAND RECUTZSION.

THE BEST WAY TO PREDICT THE FUTUTZE IS TO INVENT IT.

THE CHEAPEST, FASTEST, AND MOST RELIABLE COMPONENTS OF A COMPUTETZ SYSTEM ATZE THOSE THAT ATZEN'T THETZE.

THE FASTEST ALGOTZITHM CAN FIZEQUENTLY BE REPLACED BY ONE THAT IS ALMOST AS FAST AND MUCH EASIETZ TO UNDETZSTAND.

THE FITZST STEP IN FIXINGABIZOKEN PTZOGTZAM IS GETTING IT TO FAIL REPEATEDLY.

THE ONLY WAY TO LEATZN A NEW PROGRAMMING LANGUAGE IS BY WIZITINGPIZOGIZAMS WIT.

> - BIZIAN KETZNIGHAN & DENNIS RITCHIE

THE SOONETZ-40U STATZI TO CODE, THE LONGETZ THE PTZOGTZAM WILL TAKE.

- ROY CATZISON

THETZE ATZE (1) TYPES OF PEOPLE IN THE WOTZLD, THOSE WHO UNDETZSTAND BINATZY AND THOSE WHO DON'T.

LF ALL OUTZ TECHNOLOGY IS CTZEATED BY THE SAME PEOPLE, THEN OUTZ SOLUTIONS WILL BE LIMITED AND THEY WILL SETZYE ONLY THOSE PEOPLE. DIVETZSE BACKGTZOUNDS YIELD DIVETZSE MINDS WHICH YIELD DIVETZSE SOLUTIONS.

THETZE ATZE TWO WAYS TO WIZITE ETZIZOTZ-FIZEE PIZOGIZAMS, BUT ONLY THE THIRD ONE WOTZKS.

#### THETZE IS NO TZEASON ANYONE WOULD WANT A COMPUTETZIN THEITZ-HOME.

- KEN OISEN, FOUNDETZ AND PTZESIDENT, DIGITAL FQUIPMENT COTZPOTZATION, 1977

# THETZE'S ALWAYS ONE MOTZE BUG.

- LUBATZSHKY'S LAW OF CYBETZNETIC ENTOMOLOGY

### TO ETZIZIS HUMAN, BUT TO TZEALLY FOUL THINGS UP YOU NEED A COMPUTETZ

- PAUL EHTZLICH

YOU CAN HELP YOUTZ NEIGHBOTZWITH 40UZMOUTH, BUT HANDS OFF THEITZ MOUSEI

WEEKS OF PROGRAMMING CAN SAVE YOU HOUTZS OF PLANNING.

LIHEN SOMEONE THIZOUS A \$100 BILL AT 40U, DON'T DUCK

- MATZIE ROBINSON

WHY DO PROGRAMMETRS CONFUSE HALLOWEEN AND CHTZISTMAS?

310ct = 150EC

USETZ- N. THE WOTZD COMPUTETZ PTZOFESSIONALS USE WHEN THEY MEAN "IDIOT"

PROGRAMS MUST BE WIZITTEN FOIZ PEOPLE TO TZEAD, AND ONLY INCIDENTALLY FOTZ MACHINES TO EXECUTE.

> - HAL ABELSON & GETZALD JAY SUSSMAN

TAKE ALL THE COUTZSES IN 400TZ\_CUTZIZICULUM. DO THE RESEATZCH. ASK QUESTIONS. FIND SOMEONE DOING WHAT YOU ATZE INTETZESTED IN! BE CUTZIOUS!

- KATHETZINE JOHNSON

## ATZI IS NEVETZ FINISHED, ONLY ABANDONED.

- LEONATZDO DA VINCI, ANTICIPATING SOFTWATZE BY FOUTZ CENTUTZIES (?)

RULES FOTZ OPTIMIZATION: 1. DON'T DO IT. 1. (FOTZ-EXPETZIS ONLY) DON'T DO IT YET.

- MICHAEL A. JACKSON

THE DIFFETZENCE BETWEEN THEOTZY AND PTZACTICE IS SMALLETZ IN THEOTZY THAN IN PTZACTICE.

AS SOON AS YOU AGTZEE ON THE NUMBETZOF SPACES FOTZ INDENTATION, NO-ONE ATZETUES FOTZ TABS.

- ALVATZ LUMBETZG

... THE GIZEAT DOESN'T HAPPEN THIZOUGH IMPULSE ALONE, AND IS A SUCCESSION OF LITTLE THINGS THAT ATZE BIZOUGHT TOGETHEIZ

WHEN DEBUGGING, NOVICES INSETZI COTZIZECTIVE CODE; EXPERTS REMOVE DEFECTIVE CODE.

- RICHATED PATTIS

```
DO NOT USE THE IDIOM:
if (something) {
    return true;
} else {
    return false;
 (IT IS THE SAME AS
   return something; )
```

MULTI-THREADING IS THE ATZT OF SCTZEWING THINGS UP BEFOTZE, DUTZING, OTZ AFTETZ SOMETHING ELSE.

- ANONYMOUS

SOME PEOPLE, WHEN CONFTZONTED WITH A PROBLEM, THINK "I KNOW, L'LL USE TZEGULATZ EXPTZESSIONS." NOW THEY HAVE TWO PROBLEMS.

#### IN CASE OF FITZE:

- \$ git commit -a
- \$ git push

EXIT THE BUILDING.

- THANKS TO RIA GALANOS