# 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

DEBUGGNAGIS ANTICIPATED WITH DISTASTE, PETZFOTZMED WITH TZELUCTANCE, AND BIZAGGED ABOUT FOREVERZ

#### 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

GET YOUTZ DATA STRUCTURES COTZIZECT FITZST AND THE TZEST 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 15 THE CLOSEST THINGWE HAVE TO A SUPETZPOWETZ

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

HALF OF PTZOGTZAMMINGIS 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 SCIZEAMED 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.

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

LF 40U GIVE SOMEONE A PTZOGTZAM, YOU WILL FTZUSTTZATE THEM FOTZA DAY; IF YOU TEACH THEM HOW TO PTZOGTZAM, YOU WILL FTZUSTTZATE THEM FOTZA LIFETIME.

F 40U HAVE TOO MANY SPECIAL CASES, 404 ATZE DOWGIT WIZONG.

NSIDE EVETZY LATZGE PROGRAM IS A SMALL PTZOGTZAM STRUGGLING TO 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 YOUTL CODE IS ETZIZOTZ-FTZEE.

- STEVE MCCONNELL

T'S OKAY TO GIVE ADVICE TO A FELLOW STUDENT IN ENGLISH, BUT NOT WJAVA

#### KEYBOATZD (N): INSTRUMENT USED TO ENTETZETZAZOTZS INTO A COMPUTEIZ

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.

- ALBERT EINSTEIN

### MULTIPLYINGBY D. 15 NOT THE SAME AS DIVIDING BY D.

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

- ELON MUSK

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

- UNKNOWN

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

TO UNDETZSTAND TZECUTZSION, YOU MUST FITZST UNDETZSTAND TZECUTZSION.

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

THE FITZST STEP IN FIXING A BTZOKEN PTZOGTZAM 15 GETTING IT TO FAIL REPEATEDLY.

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

> - BIZIAN KETZNIGHAN & DENNIS RITCHIE

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

- ROY CATZISON

THETZE ATZE 10 TYPES OF PEOPLE IN THE WOTZLD, THOSE WHO UNDETZSTAND BINATZY AND THOSE WHO DON'T.

LE ALL OUTZ TECHNOLOGY IS CTZEATED BY THE SAME PEOPLE, THEN OUTZ SOLUTIONS WILL BE LIMITED AND THEY WILL SETZYE ONLY THOSE PEOPLE. DIVETESE 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 DISEN,
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 PTZOGTZAMMING CAN SAVE 40U HOUTZS OF PLANNING.

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

- MATZIE ROBINSON

WHY DO
PTZOGTZAMMETZS
CONFUSE HALLOWEEN
AND CHTZISTMAS?

31 OCT = 15 DEC

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

PIZOGIZAMS 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 TZESEATZCH. 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 FOR OPTIMIZATION: 1. DON'T DO IT. 1. (FOTZ-EXPETZITS 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

- VINCENT VAN GOGH

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

- RICHARD PATTIS

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DO NOT USE THE IDIOM:
 if (something) {
     return true;
 } else {
     return false;
  (IT IS THE SAME AS
    return something; )
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MULTI-THIZEADINGIS THE ATZT OF SCTZEWING THINGS UP BEFOTZE, DUTZING, OTZAFTETZ SOMETHING ELSE.

- Anonymous

TO ITETZATE IS HUMAN, TO TZECUTZSE DIVINE.

- L PETETZ DEUTSCH

DO NOT TRAIN A CHILD TO LEATEN BY FORCE OTZ-HATZSHNESS; BUT DIZECT THEM TO IT BY WHAT AMUSES THEITZ MINDS, SO THAT YOU MAY BE BETTETZ ABLE TO DISCOVETZ WITH ACCUTEACY THE PECULIATE BENT OF THE GENIUS OF EACH.

> - PLATO FROM ADAFTZUIT QUOTES

...PROGRAMMING IS MORE THAN AN IMPORTANT PTZACTICAL ATZT. T IS ALSO A GIGANTIC UNDETZTAKING IN THE FOUNDATIONS OF KNOWLEDGE.

> - GELACE HOPPETZ FROM ADAFTZUIT QUOTES

YOU'TZE NEVETZ TOO OLD AND, IF YOU WANT TO, AS MY MOTHETZ SAID, YOU CAN DO ANYTHING YOU WANT TO, BUT YOU HAVE TO WOTZK AT IT.

> - ANNIE EASLEY FROM ADAFRUIT QUOTES

NOTHING IN LIFE IS TO BE FEATZED, IT IS ONLY TO BE UNDETZSTOOD. NOW IS THE TIME TO UNDETESTAND MOTZE, SO THAT WE MAY FEATZLESS.

> - MATZIE CUTZIE FROM ADAFTZUIT QUOTES

L DO NOT THINK THETZE IS ANY THIZILL THAT CAN GO THIZOUGH THE HUMAN HEATZT LIKE THAT FELT BY THE INVENTOR [SEEING] SOME CIZEATION OF THE BIZAIN UNFOLDING TO SUCCESS.

> - NIKOLA TESLA FROM ADAFTZUIT QUOTES

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