

# Typing at the speed of thought

Do you type as fast as you think?



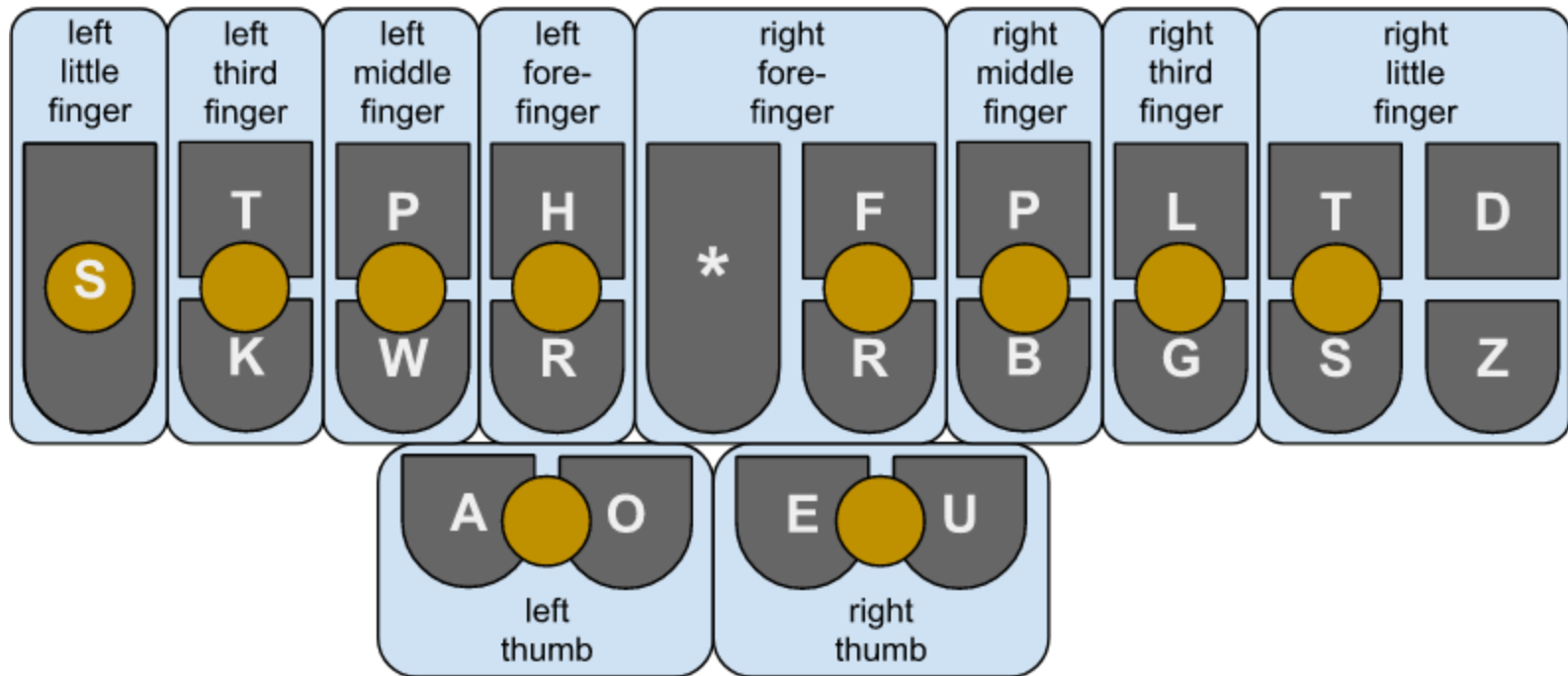
HIRED { # LEAD DEV } HIRED

being like an internal backend or hidden, this was being a webserver that everyone walked past to get in and out of the door. This was a team that was proud of what they had learned from the mistakes they had made, and were so proud of they were very happy to show everybody the things that they were learning. The shared repository doesn't have to be anything special. You don't need to build or buy software to do it. It can be a shared drive or folder.

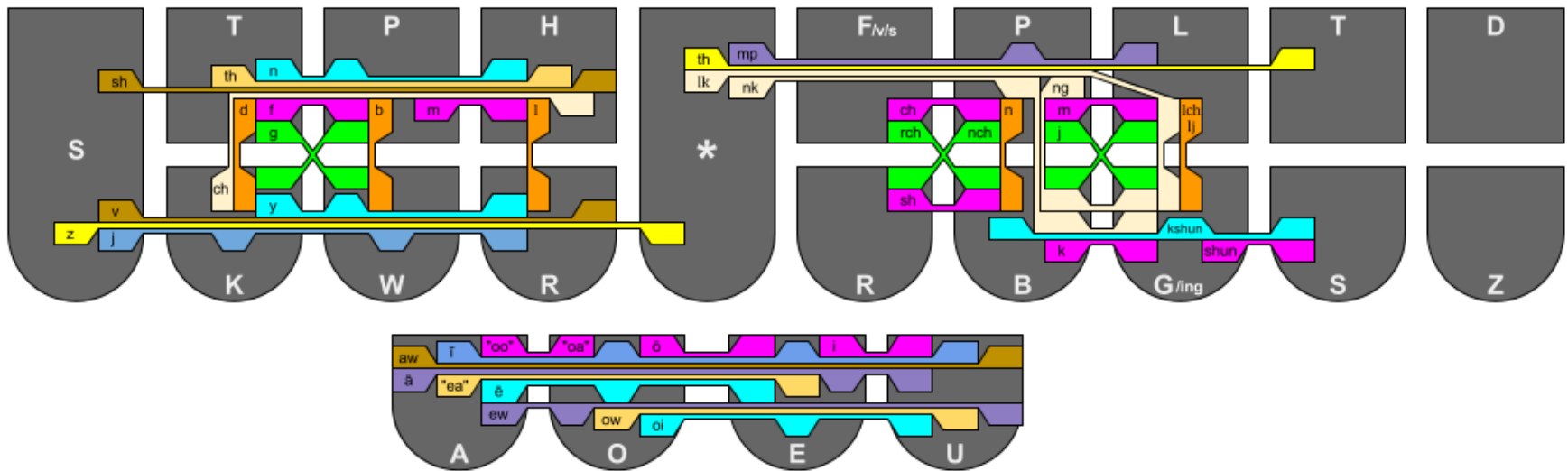


# What is stenography?

- press key chords instead of individual keys (e.g. KAT for cat)
- phonetic/mnemonic instead of spelling
- your fingers *almost* never leave the "home position"
- only 22 keys!



# What is steno?





# History of steno

- first stenotype was invented in 1879
- is the typing version of shorthand writing
- mostly used in courtrooms
- expensive hardware, software and training



1879



1911

# History of steno

- steno paper

P	RA	F	}	(new line) >>
P	RA	F		
T	H			this
		EU		is
	A	PB		an
KP	A	P L	}	example
		P L		
		F		of
P H		PB		machine
S	H A	PB		shorthand
T P	R			from
	A			a
ST		E PB	}	steno
	O E			
K	AO E		}	keyboard
PW	AO	R		
W				with
P	A	EU P	}	paper
		E R		
		F P L T		(period)

# Why steno?

- speed
  - average typist = 40wpm
  - top QWERTY typist = 120wpm
  - speech = 180wpm
  - steno students = 100-120wpm (in 6mths)
  - certified stenographer = 240wpm @ 99.9% accuracy
  - world record = 360wpm @ 97.23% accuracy
- ergonomics
  - fingers mostly at home position
  - even better than DVORAK and COLEMAK
- makes your brain work faster?
  - same as what the abacus does for mental arithmetic



# How do you type \_\_\_\_\_?

- a quick brown fox jumps over the lazy dog
- AEU KWEUBG PWRROUPB TPOBGS SKWR\*UPLS OEFR -T HRAEZ  
TKOG

# How do you type \_\_\_\_\_?

- anagrams (post/stop/pots)
  - post = POEST, stop = STOP, pots = POTS
- homophones
  - vowel disambiguators
    - road = RAOD, rode = ROED
    - pair = PAEUR, pear = PAER
  - chords for missing letters
    - sight = SAOEUT, site = SAO\*EUT, cite = KRAOEUT
- multi-syllabic words
  - python = pie + thon = PAOEU/THOPB
- dictionary, briefs
- for anything else, there's fingerspelling

'a': **AEU**  
'about': **B**  
'actually': **TWAIL**  
'after': **AF**  
'against': **GENS**  
'almost': **L-M**  
'amount': **AMT**  
'another': **NOER**  
'any': **NI**  
'anything': **NIG**  
'are': **R-**  
'ask': **SK**  
'be': **B**  
'became': **BAIM**  
'because': **BAUS**  
'become': **B-BG**  
'becomes': **B-BGS**  
'been': **BN**  
'before': **BF**  
'beginning': **GING**  
'being': **-BG**  
'by': **BI**  
'can': **K**  
'continue': **T-N**  
'continued': **T-ND**

'could': **KO**  
'describe': **SKRI**  
'described': **SKRID**  
'do': **DO**  
'easy': **EZ**  
'even': **EEN**  
'ever': **-FR**  
'every': **EFR**  
'example': **XM**  
'have': **V**  
'having': **V-G**  
'he': **E**  
'I': **I**  
'idea': **Y-D**  
'ideas': **Y-DZ**  
'if': **F**  
'in': **TPH**  
'include': **KLU**  
'included': **KLUD**  
'includes': **KLUS**  
'including': **KLUG**  
'interest': **T-R** or **TR**  
'is': **S-**  
'many': **MAEN**  
'move': **MOF**

'new': **NU**  
'of': **F**  
'only': **OENL**  
'opinion': **P-N**  
'other': **OER**  
'others': **OERS**  
'otherwise': **O\*ERZ**  
'probably': **PROBL**  
'question': **KWE**  
'receive': **SEEF**  
'received': **SEEFD**  
'said': **SAID**  
'somebody': **S-B**  
'somehow': **SMOU**  
'someone': **SMN**  
'someplace': **SPLAIS**  
'something': **S-G**  
'sometimes': **STayeMS**  
'somewhere': **SWR** or **SW-R**  
'that': **THA**  
'the': **-T**  
'there': **THR**  
'therefore': **THR-F**  
'they': **THE**  
'this': **TH**

'through': **THRU**  
'to': **TO**  
'today': **TOED**  
'two': **TWO**  
'understand': **URND**  
'understanding': **URNGD**  
'unless': **N-LS**  
'upon': **PON**  
'very': **VE**  
'were': **WR**  
'what': **WHA**  
'where': **W-R**  
'whether': **WHR**  
'which': **WI**  
'who': **WHO**  
'with': **W**  
'within': **WN**  
'without': **WOUT**  
'would': **WO**  
'yes': **YE**  
'you': **U**  
'you'd': **UD**  
'you'll': **UL**  
'you're': **UR**  
'you've': **UF**

# STENO ALPHABET

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U A

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U B

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U C

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U D

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U E

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U F

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U G

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U H

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U I

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U J

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U K

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U L

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U M

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U N

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U O

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U P

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U Q

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U R

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U S

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U T

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U U

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U V

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U W

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U X

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U Y

1 2 3 4 5 6 7 8 9  
S T P H • F P L T D  
S K W R • R B G S Z  
A O E U Z

Plover

<http://ploversteno.org>

## Other interesting stuff

- FizzBuzz in JS (<https://www.youtube.com/watch?v=RBBiri3CD6w>)
- Longer code in Python (<https://www.youtube.com/watch?v=jRFKZGWrmrM>)
- Super fast typeracer (<http://data.typeracer.com/pit/profile?user=stedno>)

# Getting started with steno

- software
  - Plover (<http://www.openstenoproject.org/plover/>)
- hardware
  - NKRO keyboard
  - ortholinear keyboards (Planck, Gherkin, etc)
  - stenomod (<https://stenomod.blogspot.com/>)
  - specialized stenotype (Stenograph, Tréal, etc)
- books
  - <https://sites.google.com/site/ploverdoc/home>
  - <https://www.gitbook.com/book/morinted/plover-theory/details>
- community
  - <https://discord.me/plover>





## References

- Learn Plover (<https://sites.google.com/site/ploverdoc/>)
- Open Steno Project (<http://www.openstenoproject.org/>)
- History of Writing Machines  
(<http://www.stenograph.com/history-writers>)
- World Record ([http://www.guinnessworldrecords.com/world-records/fastest-realtime-court-reporter-\(stenotype-writing\)](http://www.guinnessworldrecords.com/world-records/fastest-realtime-court-reporter-(stenotype-writing)))

**Questions?**