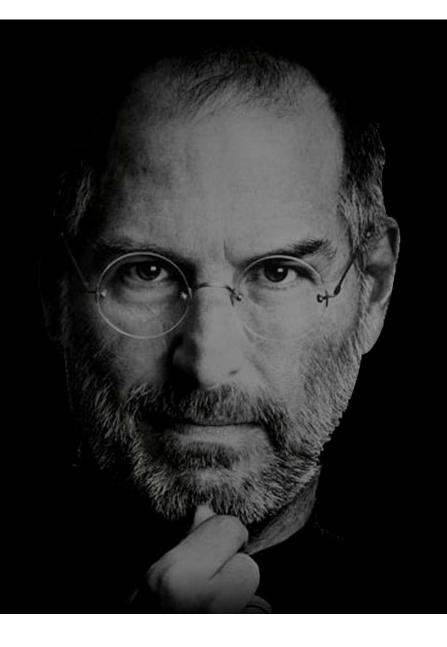


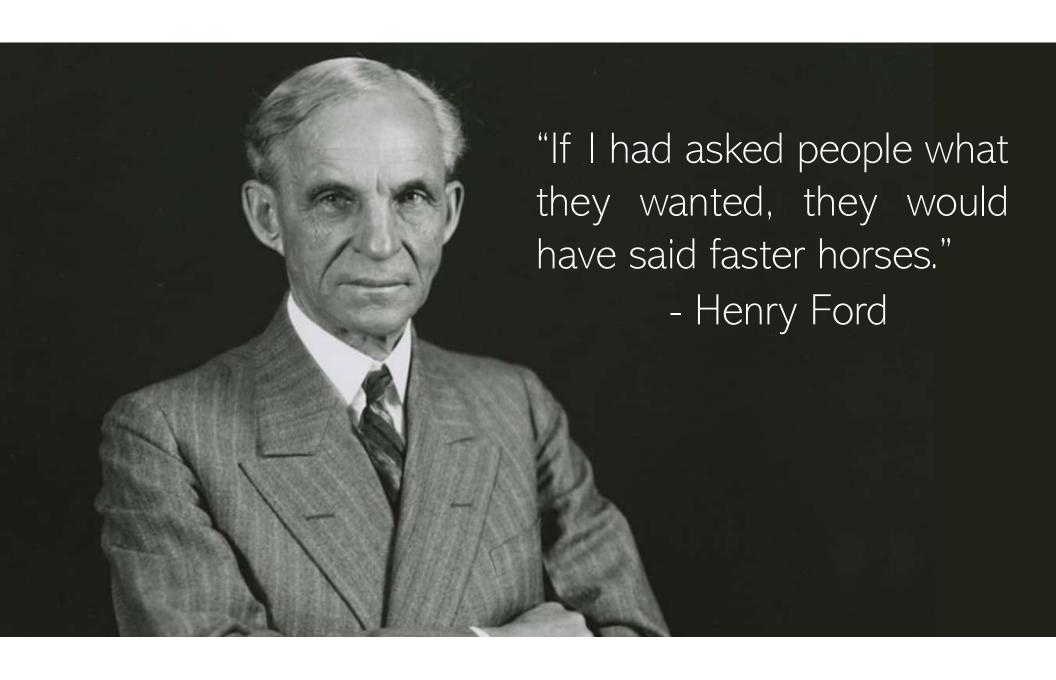
### **AGENDA**

- 01 The Changing Landscape
- 02 Emerging Experiences
- 03 The Next Threat
- 04 Stepping Up

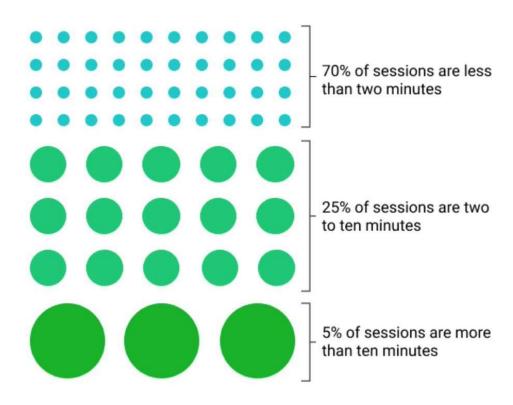


"Start with the experience, then work backwards to the technology" -STEVE JOBS -



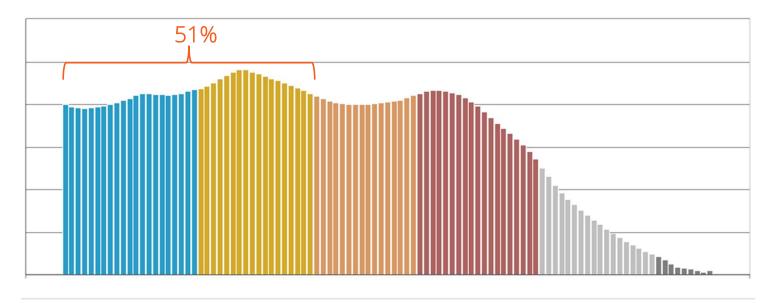


#### **ON AVERAGE, WE PICK UP OUR PHONES 58 TIMES PER DAY**



This adds up to about 3 hours and 15 minutes.

#### **CHANGING DEMOGRAPHICS**



GEN-Z 86.40M Born 2000-2020

82.22M

65.13M Born 1966-1981

GEN-X

68.70M
Born 1947-1965

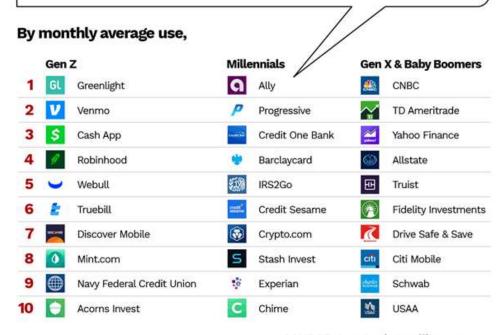
23.63M
Born 1929-1946

GREATEST GEN 1.75M

SOURCE: U.S. Census Bureau

# **Generational Shifts**

Top U.S. finance apps by generation



SOURCE: App Annie Intelligence

#### **EMBRACE IT**

AT SOME POINT
DIGITAL BANKING
JUST BECOMES
"BANKING"



After the era of malls ends eventually someone will say what if we shopped online, but in real life? And then malls will be reinvented

# Emerging Experiences

#### **DIFFERENT BY DESIGN**

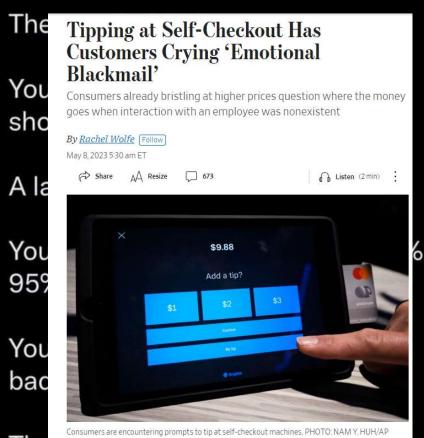


Top comment on Youtube: "This is hilarious it should be a real company"

Sold to Unilever for \$1 billion.

Pioneering will get pushback. If you're not getting pushback, expect someone else to disrupt you. Embrace discomfort.





The pansia snakes his nead in disgust.

# PREDICTING THE FUTURE IS HARD

**BUT TRENDS MATTER** 

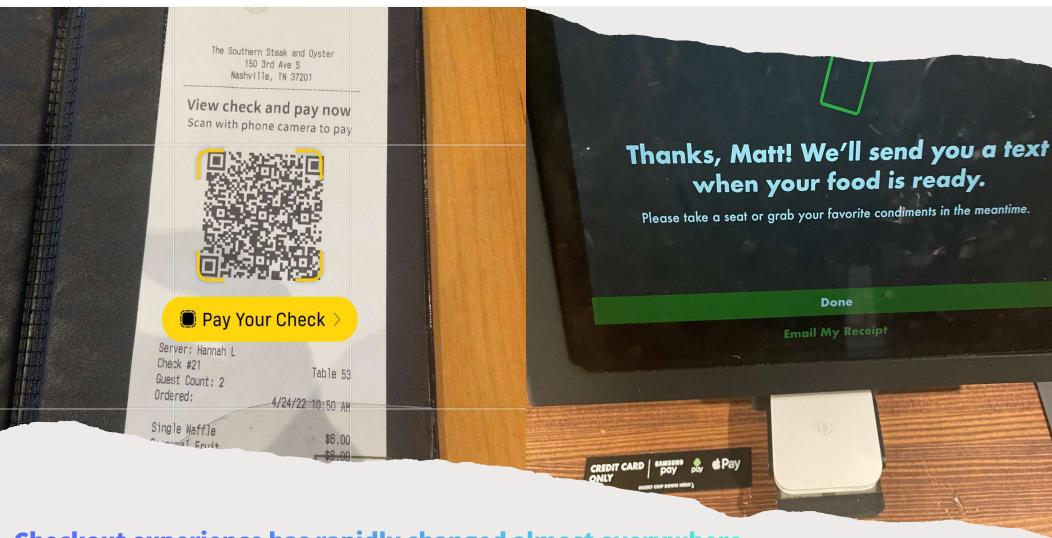
Can predict the trend. Can't always predict the tool.

"When wireless is perfectly applied, the whole Earth will be converted into a huge brain, which in fact it is, all things being particles of a real and rhythmic whole. We shall be able to communicate with one another instantly, irrespective of distance. Not only this, but through tele-vision and telephony we shall see and hear one another as perfectly as though we were face-to-face, despite intervening distances of thousands of miles; and the instruments through which we shall be able to do this will be amazingly simple compared with our present telephone. A man will be able to carry one in his vest pocket."

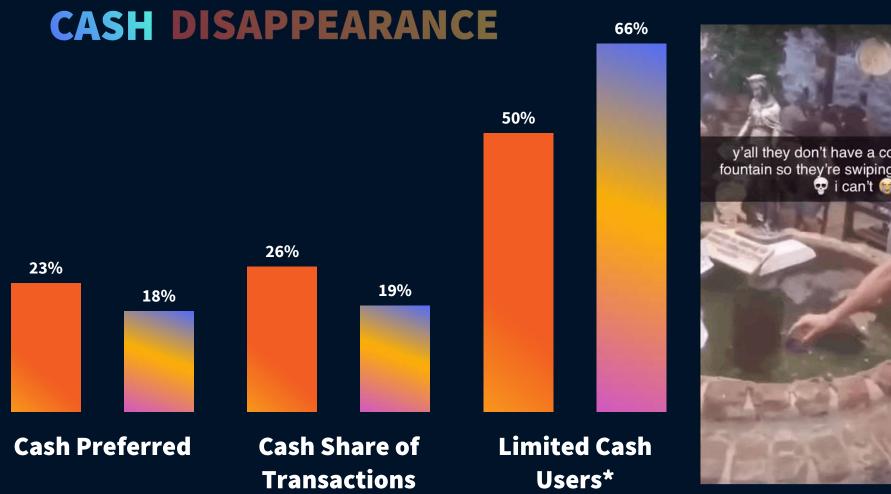
Nikola Tesla, Collier's Interview 1926



# Cash is now a novelty



Checkout experience has rapidly changed almost everywhere







## **DIGITAL FIRST**

From PHYSICAL FIRST (digital optional)



To DIGITAL FIRST (physical optional)

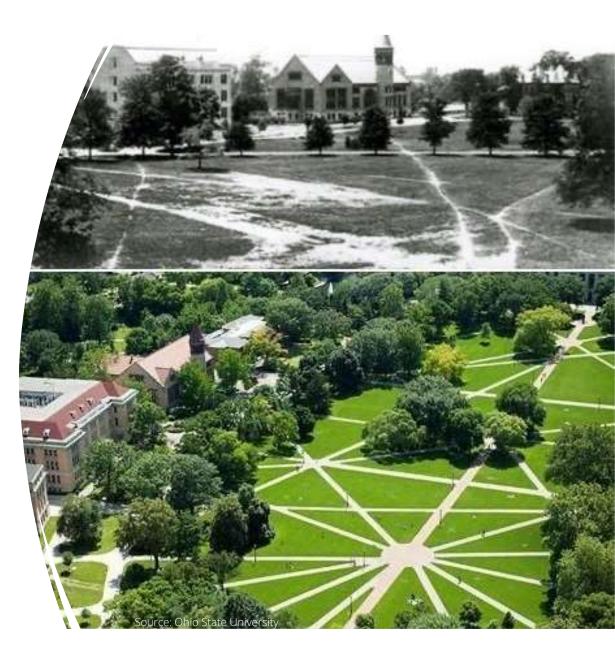


- Physical card is the primary source of relationship with consumers
- Card can be optionally digitized
- Customer service/ interaction done entirely offline
- Security and authentication limitations



- Fully digital card experience via any connected device
- Immediate access to card and better payment experiences
- Stronger security
- Optional physical card with redesign to reinforce digitalfirst relationship

# CUSTOMER EFFORT





# **EMPOWERING CUSTOMERS**

IN A SINGLE EXPERIENCE

- Card Activation
- PIN Change
- Card On/Off Scheduling
- Report Lost or Stolen
- Travel Notifications
- Dispute Transactions
- Limit Suspension
- Person-to-Person
- Operational Efficiencies
- Better Customer Experience

### **Customer Facing**



#### WELCOME TO VARO BANK®. THIS IS BANKING FOR TODAY.

- Safe, contactless payment with Tap to Pay.
- (\$) Early Payday\* with direct deposit.
- High-yield, effortless savings.
- No fees at 55,000+ Allpoint®
  ATMs in places you already
  shop like Target, CVS, and
  Safeway.
- No monthly fees.
- No minimum balance requirement.





#### chime<sup>®</sup>

#### Welcome to the Chime family

You're 2 steps away from better banking





Step 2

Set up Direct Deposit with Chime & get paid up to 2 days early<sup>1</sup>

Sign and deliver this form to your employer or payroll provider, and watch the magic happen

The Bancorp Bank 409 Silverside Rd, Suite 105, Wilmington, DE 19809

BANK NAME: BANK ADDRESS:

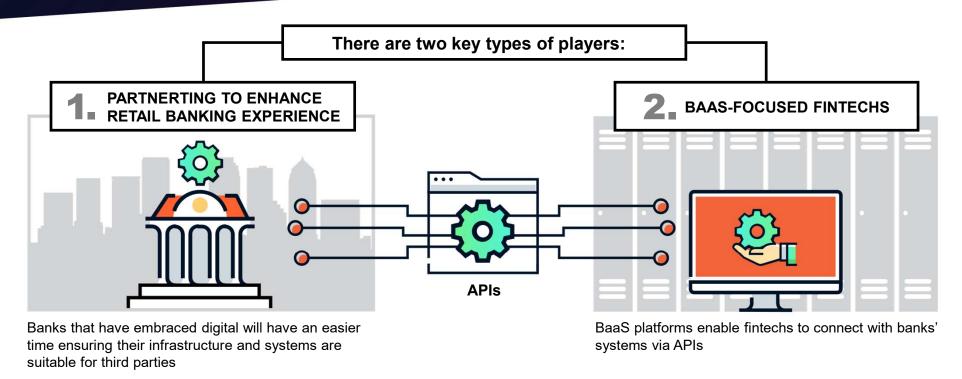
031101279

ROUTING NUMBER: ACCOUNT NUMBER:

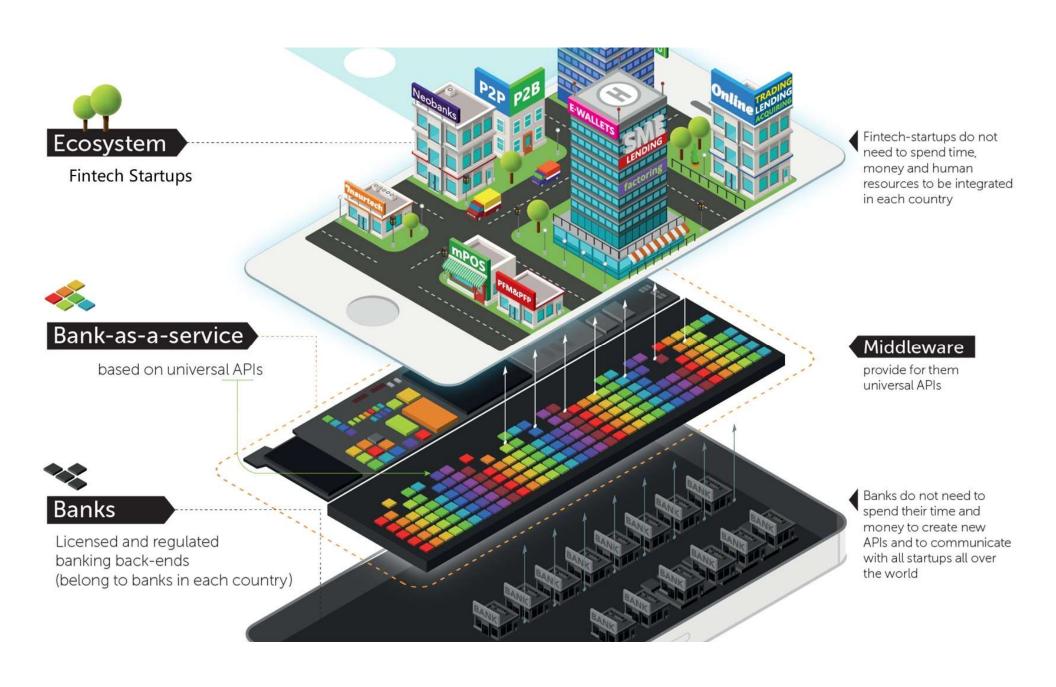
# Fintechs Threat & Opportunity

#### THE RISE OF

# Banking-As-A-Service







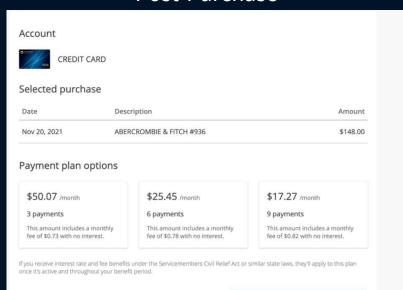
# BUY NOW PAY LATER

## **BNPL Transaction Types**

#### Pre-Purchase



#### Post-Purchase



#### Point of Sale (POS)



Source: www.unzer.com

#### 'Buy now, pay later' is sending the TikTok generation spiraling into debt, popularized by San Francisco tech firms









### BNPL: Buy Now Pay Later



Finally paid off my vodka cran from last month. God is good 👸



KGB Bar & Red Room

\$12.00

Paid \$12.00		0 Remaining <b>\$0.00</b>
Payment schedule		Pay in 4
~	Mon, Jan 30	\$2.50 🗸
	1 of 4 • Paid	
~	Mon, Feb 13	\$3.17 🗸
	2 of 4 • Paid	
~	Mon, Feb 27	\$3.17 🗸
	3 of 4 • Paid	
~	Mon, Mar 13	\$3.16 🗸
	Final payment • Paid	

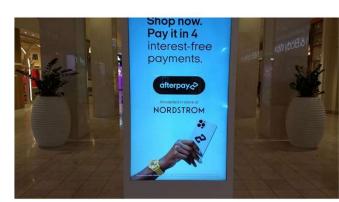
## BNPL app downloads decline

In the U.S., total BNPL app downloads for the second quarter fell 19%, compared to the year-ago period, Bank of America Securities analysts said.

Published July 17, 2023

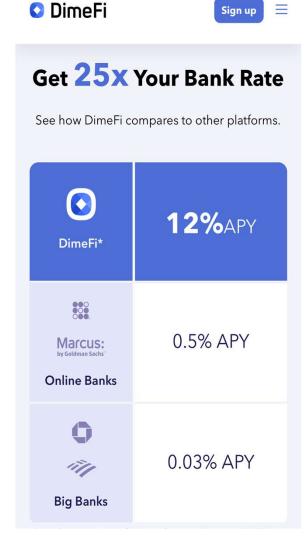


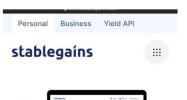




# **CRYPTO**

# DeFi SAVINGS ACCOUNTS

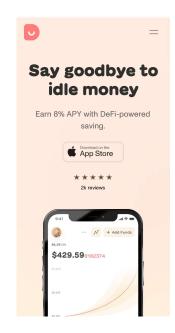




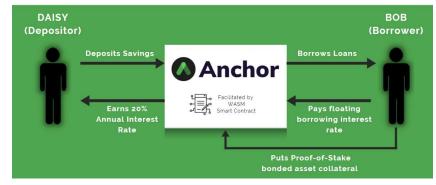


Earn up to 15% interest on your cash

Stablegains makes it simple to earn high and stable interest from DeFi lending markets.



#### **HOW ANCHOR PROTOCOL WORKS**





#### **DEPOSITS & PAYMENTS**







Have your employer send paychecks directly to a Direct Deposit Account!

Sign in

Set started



#### Introducing the Gemini Credit Card™

- ✓ Up to 3% back on purchases
- ✓ Earn rewards in bitcoin or any crypto on Gemini
- ✓ No annual fee

Join the waitlist



By enabling my account, I confirm that I understand and agree to the <u>Terms & Privacy Policy</u>

**Enable Account** 



#### **LOANS**

#### Borrow cash using Bitcoin as collateral

Now you can borrow up to \$1,000,000<sup>1</sup> from Coinbase using your Bitcoin as collateral. Pay just 8% APR<sup>2</sup> with no credit check.

Sign up to get started

Sign up to get starte



Line of credit offer currently available to residents of the following US states: AK, AR, AZ, CA, FL, GA, ID, IL, IN, MI, NC, NE, NH, NJ, NY, OH, OR, TN, TX, UT, VA, WA, and WY. Click here to learn about fixed term loans, which are currently available to residents of the following US states: CT<sup>4</sup>.



#### Why borrow cash?

Have you ever needed cash for something urgent, like medical bills or car repairs? In the past, you might have sold Bitcoin to cover it and incurred a taxable gain or loss<sup>3</sup>. Now you don't have to.



#### Avoid selling your Bitcoin

Selling Bitcoin can result in a taxable gain or loss<sup>3</sup>. Borrow from Coinbase to get cash without selling your Bitcoin.





#### No fees or credit checks

There are no fees or credit checks involved, just a low APR



#### Flexible repayment schedule

Pay off the balance on your line of credit on a schedule that works for you. Additional terms apply<sup>4</sup>



#### Get Cash Quickly

Your borrowed cash can be instantly deposited to PayPal or transferred via ACH to your bank account.





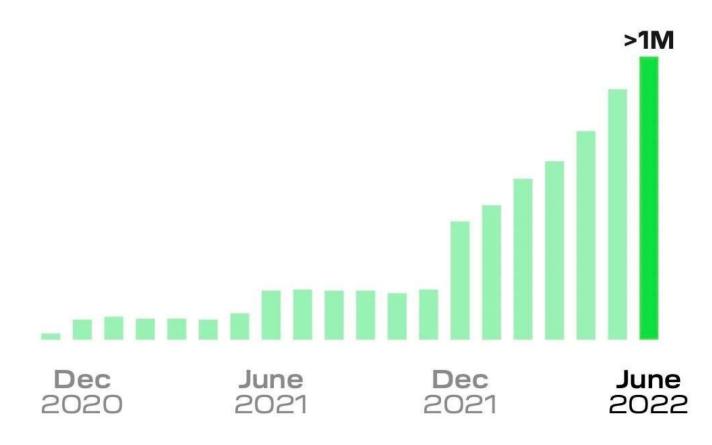
#### Borrow money at rates as low as 4.5% APR

You don't have to sell your crypto to get cash. At BlockFi, we let you borrow funds against your cryptoassets so you can get a loan while continuing to hold.

Open your account →



#### **GROWING USERS**



Cash App Borrow Users through July 2022



#### This is our apparel line.

It's called Cash by Cash App. It's made up of limited edition drops.

We custom-designed every piece, down to the drawstrings and buttons. You can wear it anywhere. We hope you do.







XS to 5XL

**Custom Designed** 

Made in Los Angeles

Our garments are designed to be unisex and range in size from XS up to 5XL.

We custom-designed every piece, down to the drawstrings, buttons, and zippers. Each garment is sewn with care in Los Angeles, California.



"90% of everything... is crap" – Sturgeon's Law
Theodore Sturgeon 1957

# CBDC

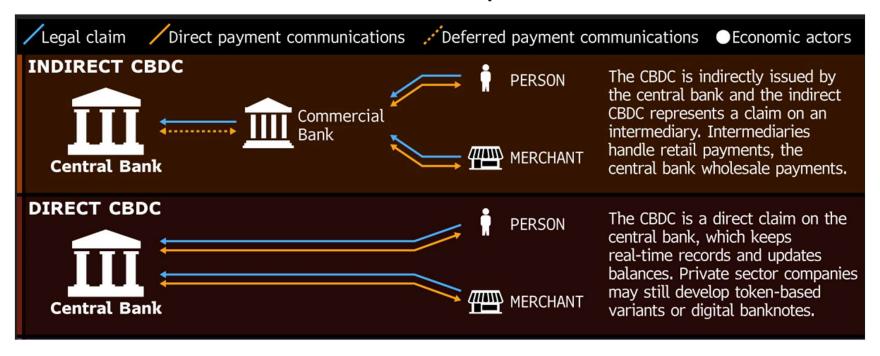
### **CENTRALLY BACKED DIGITAL COIN (CBDC)**

- Not a True Cryptocurrency
- Central Authority: Faster & More Efficient
- Federal Reserve/MIT Hamilton Project
- Transactional Pegged to US Dollar
- Engage with
  - ICBA, ABA, Regulators, and State Agencies



#### **DIGITAL CASH - CBDC**

Politicized/Controversial Implementation Models



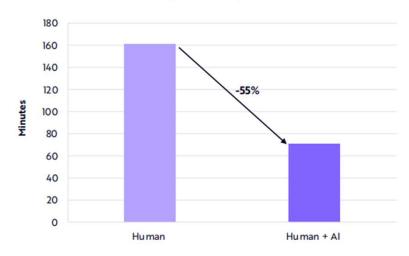
## AUTOMATION

#### Al Is Increasing The Productivity of Knowledge Workers

#### **Coding Assistants**

Software engineers completed a coding task in less than half the time with Al coding assistant GitHub Copilot.

#### Time to Complete Coding Tasks: 2022\*



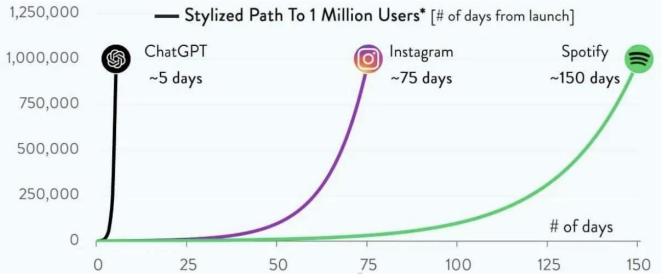
#### **Generative Image Models**

According to our research, Al can create a graphic design for just \$0.08\*\* in minutes — a *di minimis* cost compared to \$150 for human labor.



Human	
Cost	\$150
Time	5 Hours
Generative Al	
Cost	\$0.08
Time	< 1 Minute

#### Spawning a Revolution



Chat GPT: 847 million unique users just in April 2023
>8 billion devices globally leveraging AI monthly

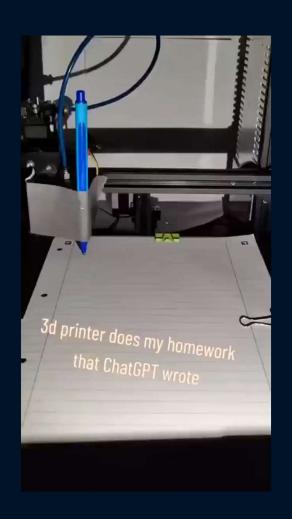


GPT-4 OpenAl

Notion Al Notion

ChatGPT

## Massive Changes







66

You won't even know that it's AI taking your order.

TODD PENEGOR WENDY'S CEO ON AI DRIVE-THRUS

PHOTO: WENDY'S

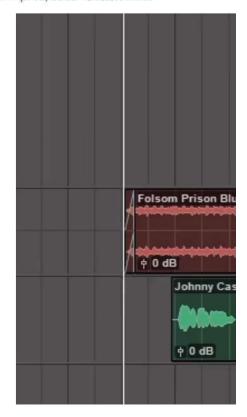




I've been reluctant to try ChatGPT. Today I got over that reluctance. Now I understand why I was reluctant.

The value of 90% of my skills just dropped to \$0. The leverage for the remaining 10% went up 1000x. I need to recalibrate.

12:51 PM · Apr 18, 2023 · 945.6K Views





...

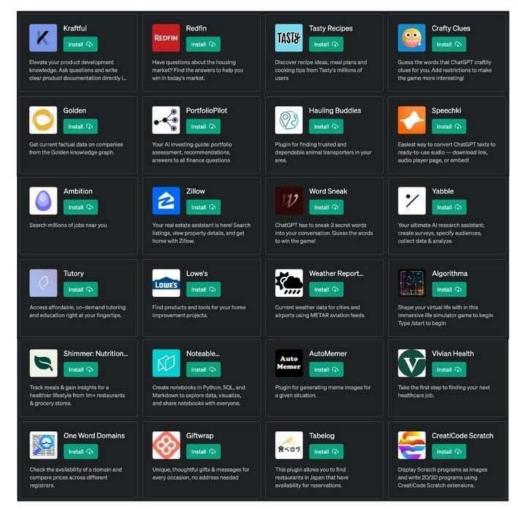
A 23-year-old influencer used OpenAl's technology to create an **Al version of herself**.

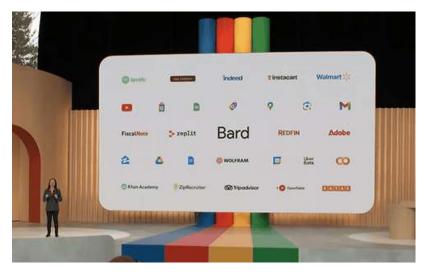
She started charging **\$1/minute** for access and made **\$72,000** in the first week.

Al girlfriends are going to be a huge.



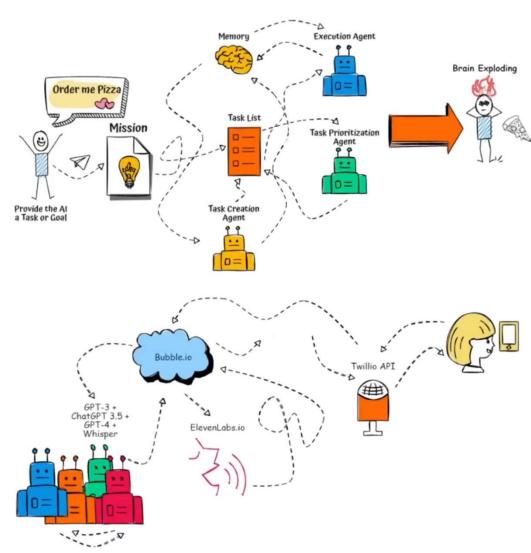
#### **AUTOMATED COMMERCE – THE NEW APP STORE**





#### **AUTOMATED EVERYTHING**





# Complexity > Ignorance

#### **ACTUAL CONVERSATION**

You always get the fanciest food.

Never heard of it.

You can order food from your phone from there?

Does my phone do that?

Dad, this is just Noodles & Company

We had a free code in the app for Amanda's birthday.

You can order food from your phone from almost everwhere

#### **ACTUAL CONVERSATION**

Hey, what's 'Zelle'? It was on the envelope of my bank statement

What does "P2P" mean?

Oh. My bank uses PayPal for that.

Well I don't know anything about that but my bank uses PayPal.

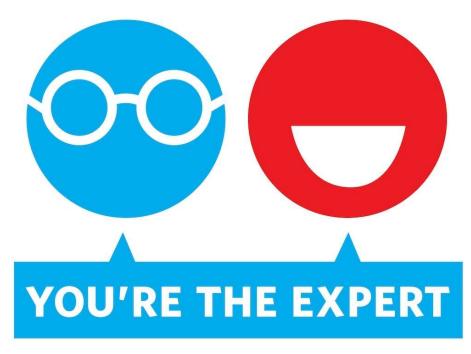
It's a P2P service through your bank

It means Person-to-Person... Like to send money

No, PayPal is its own company. Entirely seperate from your bank. Zelle is done directly from your online banking.

WHAT PEOPLE
HEAR WHEN
DISCUSSING
NEW
TECHNOLOGY







## If you don't like change, you're going to like irrelevance even less.

- Gen. Eric Shinseki



## Questions?

### **THANK YOU**

Matt.Herren@csiweb.com

**Linked** in Matt Herren CSI

