Sungae Park

30+ years of shaping Al-driven solutions that deliver real value to users through human-centered design

MBA in Information Tech

University of Massachusetts Lowell

BS in Computer Science

Strayer University

Vice President, Al Product Design

HCA Healthcare

Head Of Design & Research (Episource)

Optum / UHG

Chief Experience Officer / Co-Founder

OS Marketplace / SportsBiz

Director, Head of UX Design

TaxAct (part of Avantax)

Global Sr. UX Leader

Hexagon Asset Lifecycle Intelligence

Director of Digital Creative Services

LG Electronics

Web UI/UX Manager & Senior Web Developer

Cotton Incorporated

Software Application Developer

Builders Mutual Insurance Co.

Graphic Designer

Entelli Agency



Anthropomorphism

People are more engaged and satisfied when non-human entities exhibit human-like traits, making interactions feel more intuitive and trustworthy.

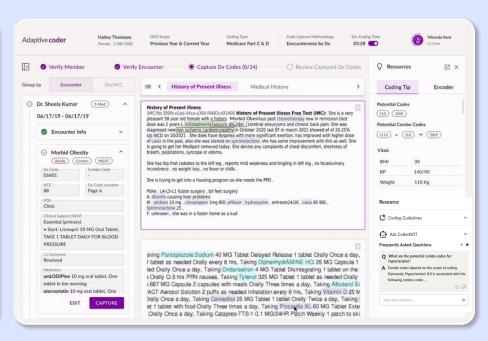


BEFORE

Coders spend 60% of their time on Scrolling.

Carles, PUYOL Coding Type: DOS Scripe: Code Capture /10 (C) EP E (C) episource coder DOS: 8/28/1939 Medicare Part C 12/31/2018 To Methodology: 6.0 12/30/2022 Year wise by Dx 0 Highlights Coding Status -- All 107 = Patient Profile 3 8 Resp Provider: John B Chiavetta MD Patient Salarow: \$ 0.00 PATIENT INFORMATION Pure hypercholesterolemia. Peters D.F. 200 unspecified Date of Birth: E7800 2019 Circ State Major depressive disorder Alt Address JOAN BRITT Primary Physician: single episode, unspecified F329 2019 All City Elene [3Work | 10ther Essential (primary) []Home []Work ()QOther hypertension [34ome | 3Work DQOttes 110 2019 PATIENT EMPLOYMENT Contact By: []Employed []Natired []Unemployed CONTACTS Bheomatoid arthritis. unspecified M069 GUARANTOR DOSame as Patient **EMPLOYMENT** Age-related osteoporosis Employee without current pathological fracture At Phone: City State: Boolel Security # M810 2019 PRIMARY INSURANCE Date of Birth [X]Same as Patient []Same as Guaranter []Other MEDICINES Insured Party: Insured Phone Relationship to Primary

"Codable Highlights" section in snippets in SOAP

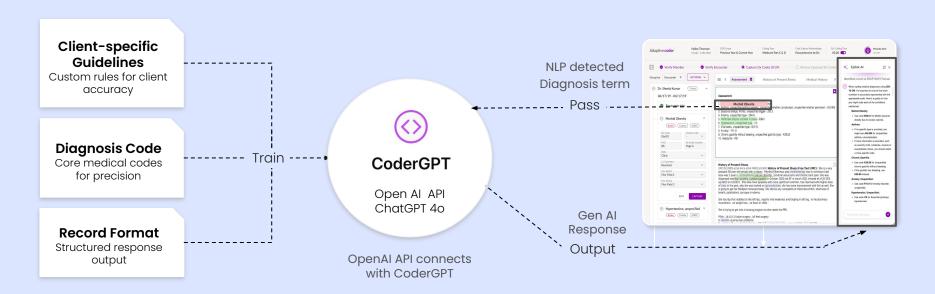


See evidence → Click to code

GenAl suggests → See evidence

CHATBOT FLOW

OpenAl's API delivers real-time, customized coding support by integrating client-specific guidelines, diagnosis codes, and structured formats



DEMO: https://adaptivecoder.netlify.app/

Build something **Lovable**

Idea to app in seconds, with your personal full stack engineer

Design a friendly Al assistant named Kairo, inspired by Baymax from Big Hero 6. Kairo should look calm, supportive, and non-threatening. The assistant is used in a healthcare or wellness app

Attach

Private

Startup dashboard

E-commerce product page

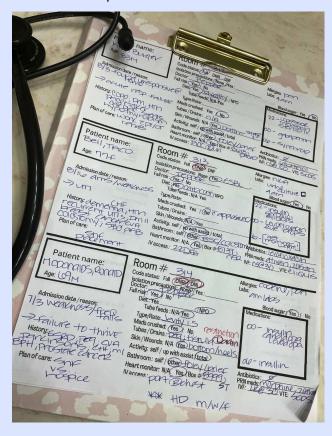
VitePress docs

Personal website

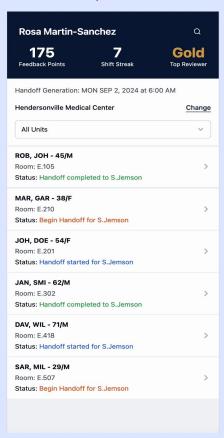
BEFORE

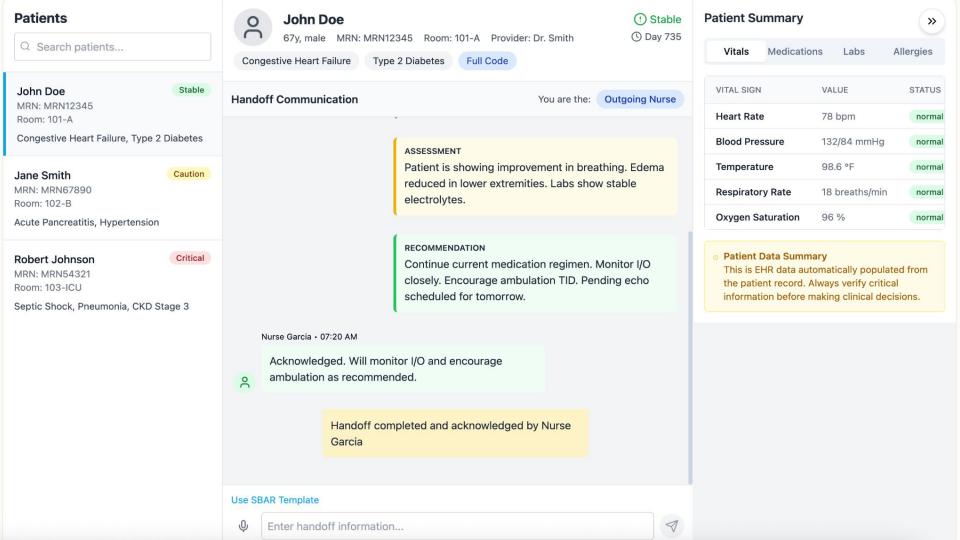
AFTER

Static templates that lose nuance

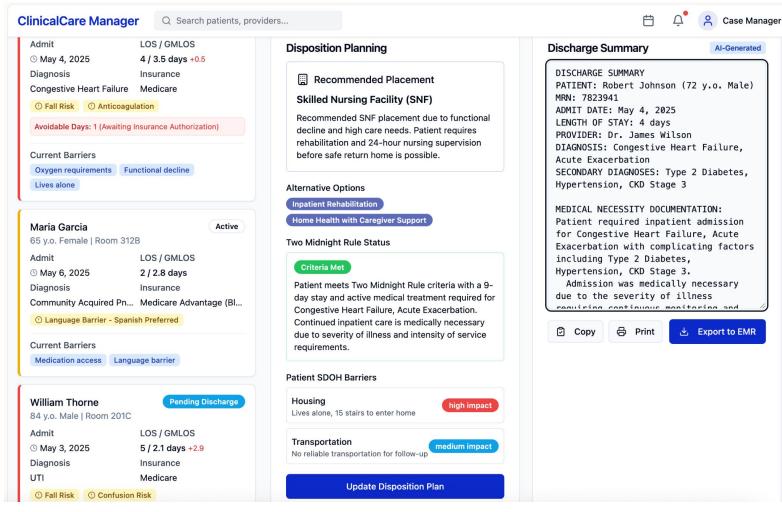


Real-time, dynamic summary



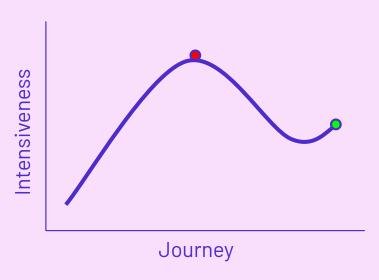


Al proactively monitors patient progress, flags gaps in care plans, prioritizes tasks, and nudges stakeholders—coordinating across care teams in real-time



Peak End Rule

People remember the **most intense moments** (the "peaks") and the final moments of an experience (the "end").



Journey Map: Simple Filer

STAGE Details

PREPARE & LOGIN

Gather W2 information, decide what tax software to use, login/create account.

BASIC INFO

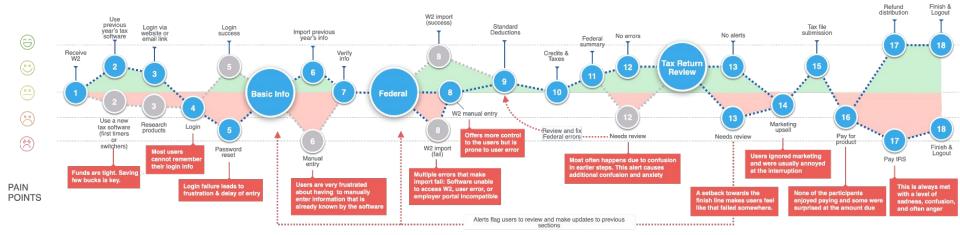
Import previous year taxes, personal info, dependents, and filing status.

FEDERAL

Income, deductions, credits, taxes, section summary,

REVIEW & FILE

Review, alert checker, marketing up-sell, how do you want to pay, how do you want to receive refund, amend, e-file/print return, submit.



QUOTES

INSIGHTS

"I don't want to get locked out."

"You have this information, why do I need to tell you my address?" - P9

"I don't trust my employer very much to have a PDF that is easy to use or access my W2." -

"The controlling part of me just wants to enter it all in myself." - P5

"[owing] kinda feels debilitating. Even after everything you've given throughout the year, vou have to give even more." -P2

"When you think you're going to get money

back but you owe, is like getting a lump of

These customers typically have a goal of saving money. They have previously used a CPA or are shopping around to get the most competitive price.

Deciding on tax software

"My goal is to just get it done.

Get the most back I can." - P4

New tax software users

Most users opt to use the same software year over year because they don't have to think about it. Familiarity and ability to retrieve previous year's tax information are top reasons. Most users were willing to pay more to avoid the extra friction of starting from scratch.

Login

Users typically log in once per year and often forget their password. This leads to frustration, often feeling personally responsibility for that failure. They wish there was an easier way to recall their login details while still keeping it secure.

Entering Basic Information

One of the top reasons customers use the same software year over year is the ability to import previous year's taxes and all essential information. This reduces friction and the amount of time required to start. Manual entry is a big source of

Note: The Simple Filer prefers to see their information presented and check for accuracy.

W2 Entry

The experience and emotions of the Simple Filer are heavily influenced by whether or not they have to manually enter their information and if they are successful in attempting to import their W2s.

Deductions

By choosing the standard deduction, the Simple Filer saves time and finds the process to be simple. At this point in the process we begin to see a change in mood depending on whether or not they are receiving a refund or needing to pay the government.

Manual Entry

For the Simple Filer, the majority of confusion stems from having to manually enter information. If there are areas that need review the Simple Filer can become frustrated and confused, often feeling anxious with what "they did wrong", putting the blame on themselves.

"State filing was not observed

Review

After making it through the Federal section of W2s and Deductions, the Simple Filer is starting to feel like they are almost done. If they happen to receive an alert to go back and review other sections they instantly begin to feel anxious and confused as to what "they did wrong".

coal." - P8

Marketing up-sell is met with annovance, with the Simple Filer ignoring the prompts and materials, feeling they don't need anything additional as their tax situation doesn't warrant additional purchases.

Refund distribution is met with delight, while having to pay the IRS often results in sadness and anger. The Simple Filer can become confused if they don't understand why they may owe this year as opposed to previous years.

CLUSTER 1 -- Independent & Proactive Tenured Trina + Advocate Adam + Rule Follower Ruth



Nudge Type	Profile Check-In	Early Access	Awareness + Education
Message	Trins: '18 Trins, it's time to confirm your shift preferences. You're airmed drow—just one quick check-in to keep things running smoothly.' Adam: 'Hey Adam, ready to review your upcoming shifts and suggest improvements'. Ruth: '14 Ruth, just a quick check — do your schedule preferences still match policy?'	Trina: "Early access is now open, Tap here to finalize your schedule before others."	Triana: There's a small new feature that can help save time — wart a quick peek? Adam: "You're been invited to beta test a new scheduling tool — want early access?" Ruth: "There's been a policy update — review now to stay compilant."
Trigger Logic	Frequency: Every 30-45 days Condition: No updates to shift preferences in last 30 days	Frequency: At start of early access window (e.g., 2 weeks before schedule publish date) Condition: Trina is on the "early access" list due to past consistent behavior	Frequency: 1–2 weeks after a new feature release Condition: Trina has not used the feature yet but meets criteria for power user
Data Points:	Last modified date of profile preferences Schedule cycle start date	Early access flag = True Has not yet submitted upcoming schedule	User role and behavior score (Cluster 1, consistent logins) Feature flag = off for user
Delivery Method	Magic link (no login) to "Preferences" screen	Magic link (no login) to upcoming schedule	Magic link (no login) to feature intro or demo
Fallover Logic	If ignored within 7 days → send 1 reminder	If not completed within 3 days → escalate with "Your spot is still open" nudge	Optional follow-up: "Still want to try it out?"

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CLUSTER 3 -- Resistant or Skeptical Distrust Debbie

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Nudge Type	Passive Check-In	Transparency & Control	Justification Nudges (Why It Matters)
Message	Debbie: "Hi Debbie — just a heads up, your schedule settings haven't changed in a while. Want to review or skip?" (Option to dismiss or go directly to settings)	Debbie: "Want more control over your shift alerts and visibility? Update your preferences — no pressure, just options." (Emphasizes user control and autonomy)	Debbie: "We made a small update based on your recent feedback. Want to see what changed?" "There's a new policy — here's how it might affect your shifts."
Trigger Logic	Frequency: Every 60–90 days Condition: No profile edits in 3 months + consistent opt-outs or low activity	Frequency: After 2+ overridden shifts or manager-assigned edits Condition: Shift assignments differ from profile more than 3 times	Frequency: Within 7 days of change that impacts Debbie Condition: Debbie has ignored 2+ feature updates
Data Points:	Last activity date Skipped nudge rate	Number of manager overrides Current settings mismatched with behavior	Change log + impact to Debble's role Past feature dismissal history
Delivery Method	Magic link (no login) to Settings screen with dismiss option	Magic link (no login) to Notification Settings or Shift Preferences	Magic link (no login) to Policy Summary or Feature Recap
Failover Logic	No escalation — optional only	None. Debbie prefers space and autonomy — no additional messages	Optional: Snooze until the next important update?

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CLUSTER 2 -- Independent & Proactive Overwhelmed Olive + Personal Peter



Nudge Type	Profile Check-In	Conflict Detection	Awareness + Education
Message	Olive: "Hi Olive, just a quick check-in — want to update your availability and shift preferences?" Peter: "Hey Peter, looks like your schedule might need an update. Tap below to make changes based on your latest availability."	Olive: "We noticed you've had a few schedule conflicts — want to adjust your workday preferences." Peter: "Looks like your shifts aren't lining up with your availability — tap below to fix it in seconds."	Olive: "You've been doing a great job staying on top of things — here's a quick walkfrough of some tips to help you plan even better." Peter: "Want to save time next schedule cycle? This 1-minute tip might help."
Trigger Logic	Frequency: Every 21–30 days Condition: No profile updates AND 2+ declined/edited shifts in last 30 days	Frequency: Triggered when 2+ conflicts or swaps occur within a 2-week period Condition: Schedule conflict with declared preferences (e.g., custody, school pickup)	Frequency: Monthly Condition: Mixed schedule performance — responsive to nudges but moderate update behavior
Data Points:	Last modified date of profile preferences Number of declined or swapped shift	Conflict log from last 2 weeks User-declared constraints (learned or input)	Nudge response rate Change activity in preferences
Delivery Method	Magic link (no login) to "Preferences" screen	Magic link (no login) to Shift Conflicts settings	Magic link (no login) to 1-minute guide or Quick Planner Tip
Failover Logic	If not updated within 5 days → send a simplified reminder: "Still need to update your availability?"	Escalate with message: "Want help? Your manager can help clarify options."	Optional follow-up: "Want us to walk you through it later?"

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CLUSTER 4 -- Disengaged & Avoidant

Absent Anne

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Nudge Type	Re-Engagement Prompt	Simple Win Action	Positive Framing & Recognition
Message	Anne: "Hi Anne — we've noticed you haven't checked your schedule in a while. Want to take a quick look?" (Encourages lightweight re-entry with 1-click)	Anne: "We've missed you! Did you know most teammates who updated their preferences saw fewer conflicts?" Anne, small updates can make a big difference — you're just one click away."	Anne: "We've missed you! Did you know most teammates who updated their preferences saw fewer conflictor?" "Anne, small updates can make a big difference—you're just one click away."
Trigger Logic	Frequency: Every 45–60 days Condition: No login or schedule interaction in last 2+ cycles	Frequency: After ignoring 2+ cycle nudges Condition: Inactive user with incomplete profile	Frequency: Monthly Condition: System detects 3+ missed nudges or low engagement
Data Points:	Last login date Last schedule submission timestamp	Profile completion status Preference fields left blank	Nudge response rate Conflict frequency
Delivery Method	Magic link (no login) to Current Schedule Summary	Magic link (no login) to Pick-a-Day screen with 1- question UI	Magic link (no login) to Quick Preferences Wizard
Failover Logic	If no response in 10 days — escalate with supportive tone: "Need help getting back on track? We're here if you need us."	Optional follow-up: "Want to finish later? We'll hold your spot."	1 final "opt-in again later" reminder after 30 days









VS.



Endowed Progress Effect







UX Psychological Principle

Endowed Progress Effect

People are more likely to complete a task when they feel they've already made progress.

A study showed that reward cards with **2 pre-filled stamps** led to faster completion—even though both groups still equally needed to collect 8 stamps in total. That early progress gave users a psychological head start and a sense of achievement.

Dopamine-Driven Gamification:

Pair with micro-rewards like a **4-Day Handoff Streak**, **feedback points** for Nurse Handoff, and a **headstart reward** for nurses who submit their preferences and schedules early in Timpani—using nudges via Webex/SMS and frictionless Magic Links to take users directly to the task without requiring login or searching for the functions.

Persona-based Nudge Example:

"Thanks for picking up that open shift—your coverage helped 2 teammates avoid burnout."

[Pick up another available shift now]

"You've confirmed all your shifts for the week—your reliability keeps the team running smoothly."

[View upcoming shifts or make changes]

Thank You

https://www.linkedin.com/in/sungaepark/