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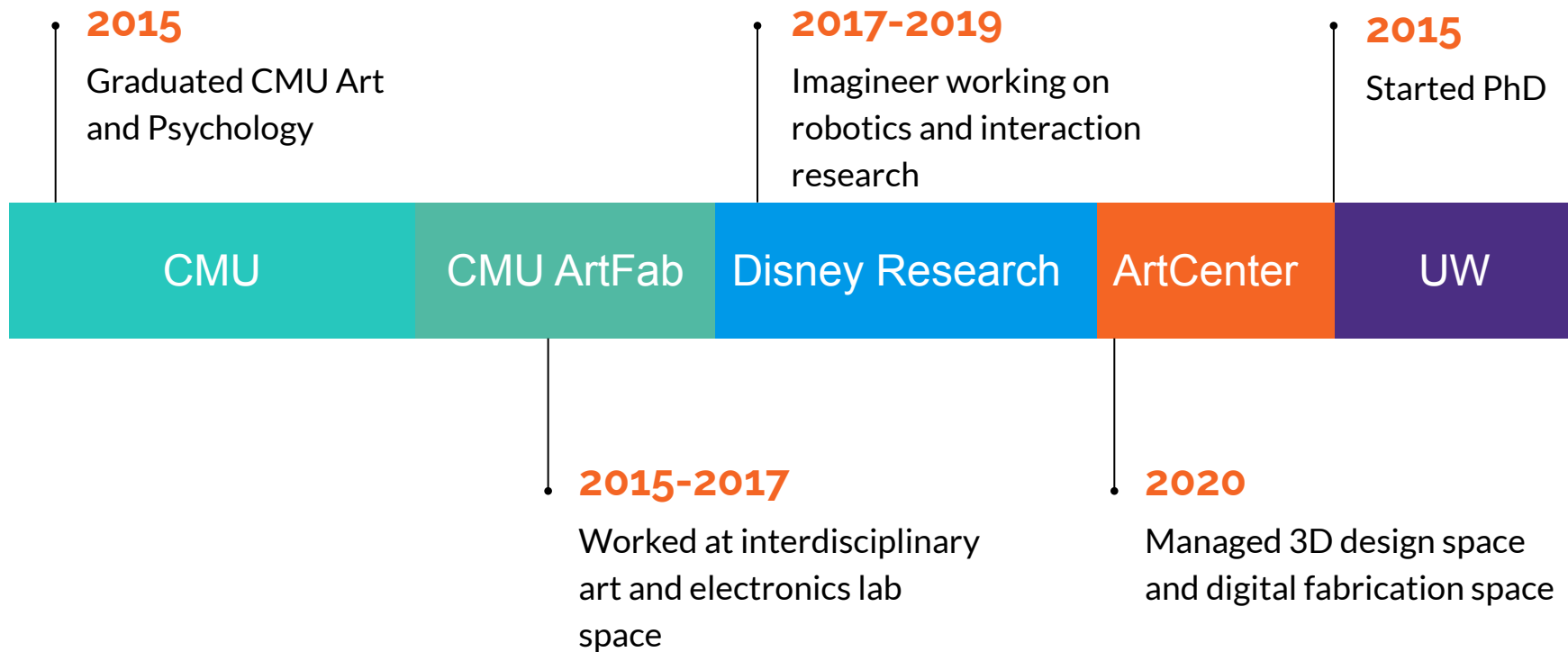
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# Dark Patterns and Deceptive (UX) Design

Daniel Campos Zamora

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# My background



# Previous Work



# Magic Bench

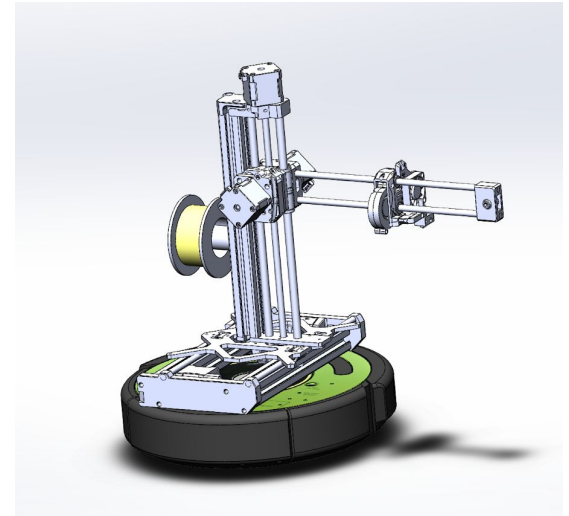
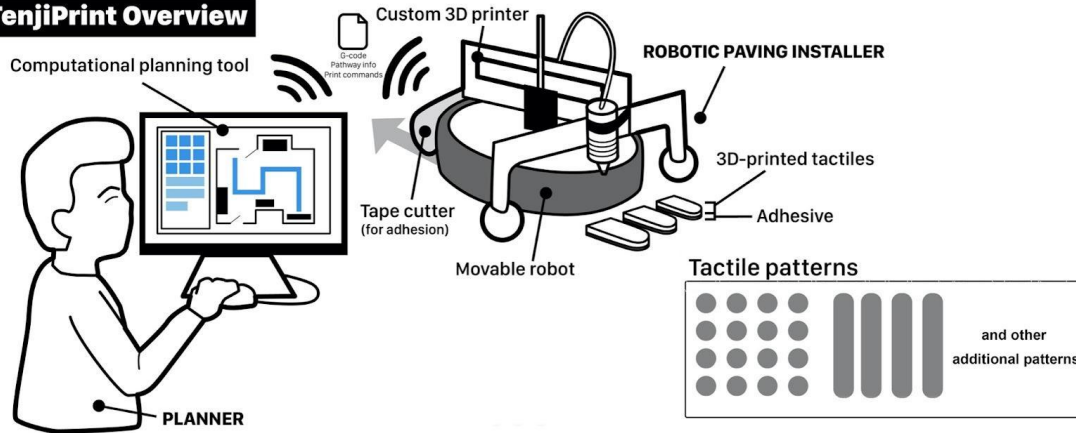




# What I do now?

Research in fabrication, accessibility and tangible interfaces.

## TenjiPrint Overview



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# Dark Patterns

Designs that leverage knowledge of human behavior and psychology to get users to perform actions that go against their best interest



*Harry Brignull*

# Can you think of any dark patterns?

A hand holding a smartphone with a dark screen, set against a blurred background of people in red clothing.

## Note

Dark patterns shouldn't be confused with "poor" design since these can be very aesthetically pleasing and effective



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# Types of Dark Patterns

Bait and Switch

Price Comparison Prevention

Disguised Ad

Privacy Zuckering

Forced Continuity

Roach Motel

Friend Spam

Sneak Into Basket

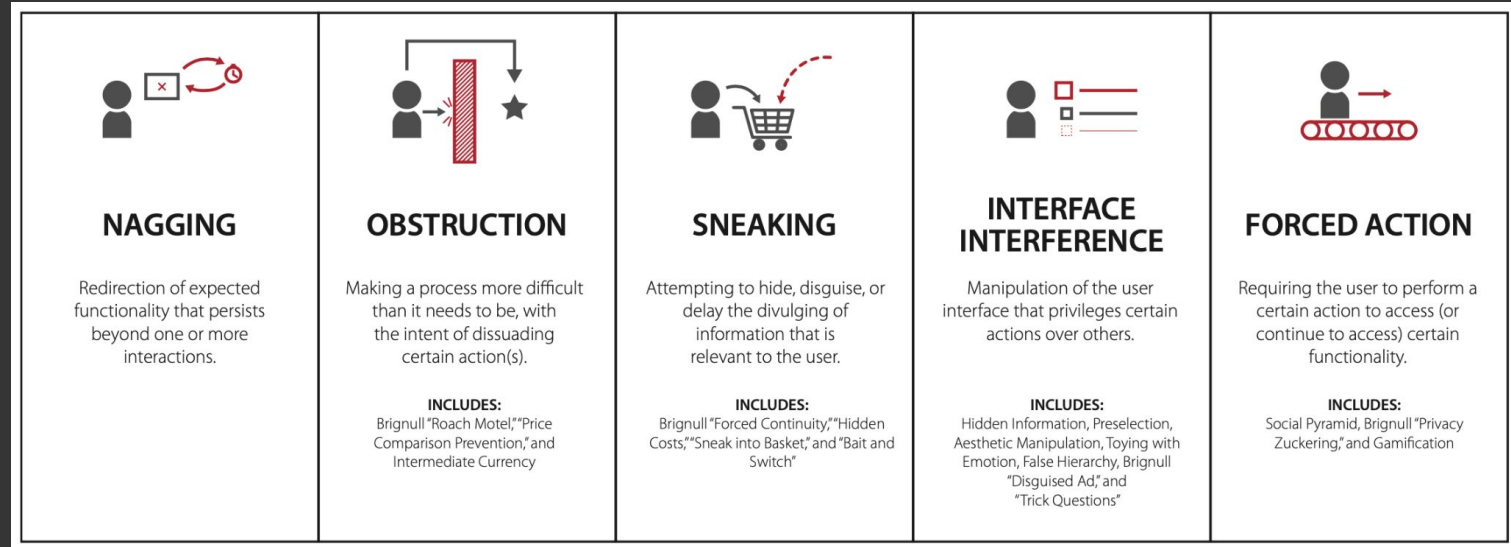
Hidden Costs

Trick Questions

Misdirection

Confirmshaming

# Overview



# Nagging

- Repeated Intrusion during normal interactions, where normal use is interrupted one or more times by other tasks not directly related to the one the user is focused on now
- Varying levels of malice like increasing engagement to getting users to provide more private details

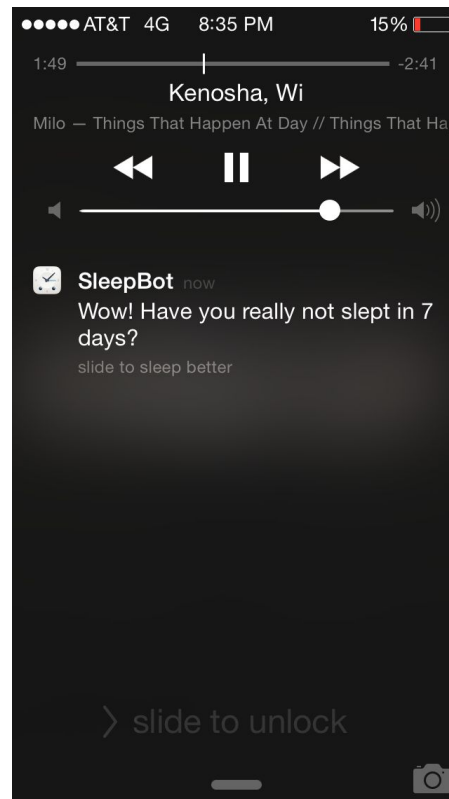
# Nagging Examples

## Please Turn On Notifications

Know right away when people follow you or like and comment on your photos.

Not Now

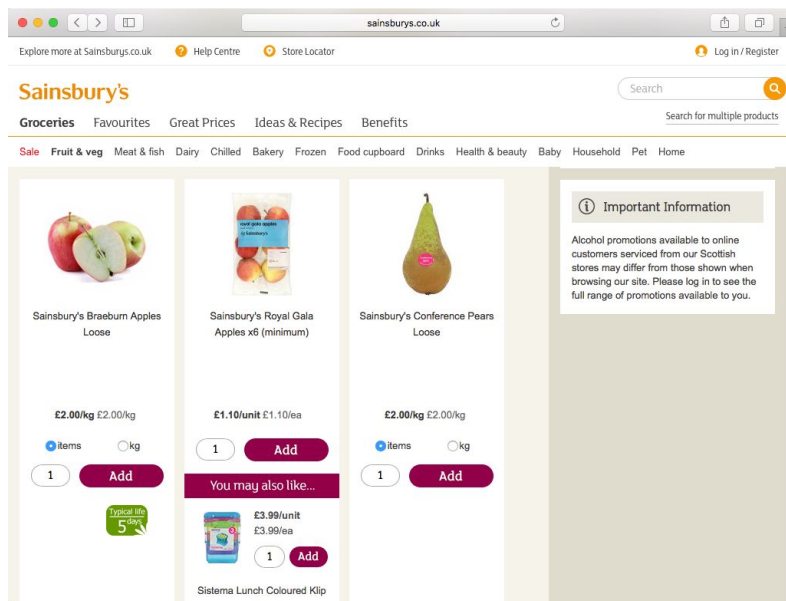
OK



# Obstruction

- Impeding task flow, making an interaction more difficult than it needs to be
- Includes Brignull's "Roach Motel" which makes it easy to sign onto a service but difficult to get out
- Includes Brignull's "Price Comparison Preventions" which makes direct comparisons between products and services unnecessarily hard

# Obstruction Examples



## Agreement to Arbitrate

You and PayPal agree that any claim or dispute at law or equity that has arisen or may arise between you and us (including claims or disputes that arise out of or relate to the Venmo services or your Venmo account) will be resolved in accordance with the Agreement to Arbitrate provisions set forth below. Please read this information carefully. Among other things it:

- Affects your and our rights and will impact how claims between you and us are resolved, including your and our agreement to waive the right to trial by jury.
- Includes a **Prohibition of Class and Representative Actions and Non-Individualized Relief** pursuant to which you agree to waive your right to participate in a class action lawsuit against us.
- Requires you to follow the **Opt-Out Procedure** to opt-out of the Agreement to Arbitrate by mailing us a written notice. If you are a new user, the opt-out notice must be postmarked no later than 30 days after the date you accept this user agreement for the first time. If you are a current Venmo user and previously accepted the User Agreement prior to the introduction of this Agreement to Arbitrate on May 23, 2022, the opt-out notice must be postmarked no later than June 22, 2022.

# Sneaking

- Attempt to hide, disguise or delay information relevant to the user
- “Forced Continuity” pattern which continues to charge for a service after the purchase expires
- “Hidden Costs” which delays pricing information for certain items
- “Sneak into Basket” where additional services or products are added or “suggested” without by default
- “Bait and Switch” makes it seem like an action will cause one result but ends up doing an undesired action

# Sneaking Examples

-  Analytics Cloud
-  App Cloud
-  IoT Cloud

These are not subscriptions. By making a selection we can make sure you also receive additional communications relative to your interest.

You have been unsubscribed from all future mailings

I agree to the Privacy Statement. In particular, I consent to the transfer of my personal information to other countries, including the United States, for the purpose of hosting and processing the information as set forth in the Privacy Statement. [-]

I understand that these countries may not have the same data protection laws as the country from which I provide my personal information. I have the right to withdraw my consent at any time. For more information, click [here](#).

\*You can unsubscribe from Marketing emails at any time. Please note that opting-out of Marketing communications does not affect your receipt of business communications that are important to your interaction with Salesforce, such as support/service communications, security updates, event registration updates or account management communications.

Save All Changes

<b>Total</b>	\$27.26 ^
<b>Tickets</b>	
Verified Resale Tickets: \$6.00 x 2	\$12.00
<b>Fees</b>	
Service Fee: \$5.00 x 2	\$10.00
Order Processing Fee	\$2.95
<b>Delivery</b>	
Go Mobile	Free
<b>Tax</b>	\$2.31
<a href="#">Cancel Order</a>	

TODAY'S SALE!- VALID ONLINE ONLY- \*Up To 45% Off + Free Local Delivery



Need assistance? We are here to help! Call us any time at **877-638-3303**

[Log In](#) to apply your points or discounts and earn even more points towards future purchases

## SHOPPING CART

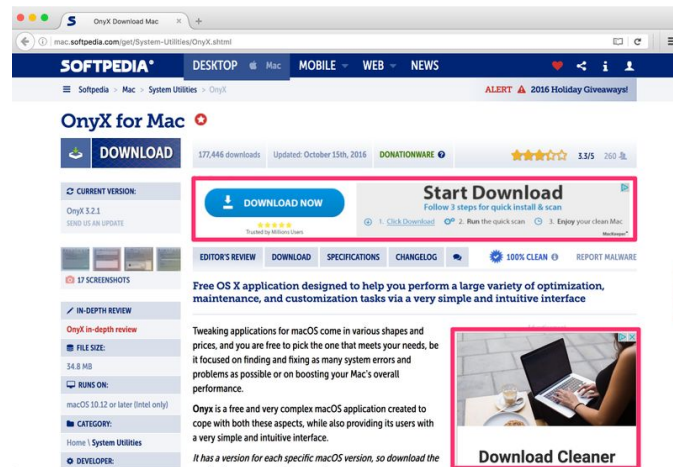
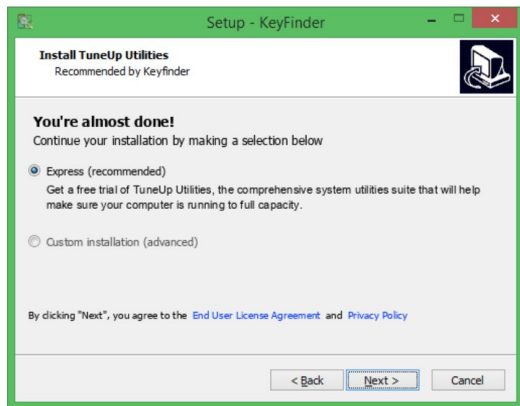
Item	Qty	Price	Subtotal
 <b>Dreaming of Tuscany</b> Selected: "As Shown" 2nd choice: similar as possible, same look and feel	1	\$52.99	\$52.99
 <b>Greeting Card Service</b> Selected: "STANDARD"	1	\$3.99	\$3.99



# Interface Interference

- Design purposefully focuses your attention on one thing in order to distract from another, confusing or limiting discoverability of important actions
- “Misdirection” and “Disguised Ads” and “Trick Questions” fall in this category

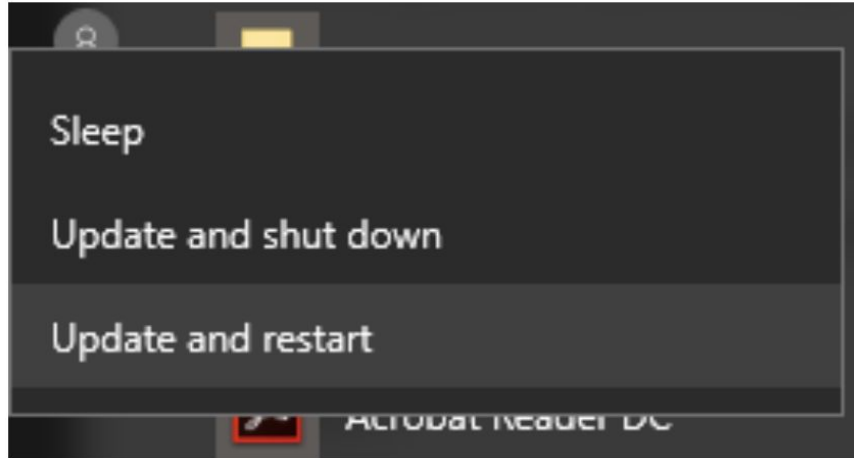
# Interface Interference Examples



# Forced Action

- Design purposefully focuses your attention on one thing in order to distract from another, confusing or limiting discoverability of important actions
- “Misdirection,” “friendspamming” and “Disguised Ads” and “Trick Questions” fall in this category

# Forced Action Examples





## Takeaways

Strategies for dark patterns undermine a person's autonomy and favor stakeholders over users

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# Factors that lead to dark patterns

- Aggressive growth targets
  - Overfocus on simple key performance indicators(KPI)
    - More Clicks
    - More Signups
    - More Sales
  - Myopic view of product success
  - Profit
  - Lack of Testing
  - Greed
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# How to avoid deceptive design as a practitioner

- Develop a strong “character” as a designer/developer
- Have a code of ethics
- Be empathetic
- Use value sensitive design tools like [envisioning cards](#) or [humane by design tools](#)
- Prioritize users over shareholders

