

Big Ideas

Tim Berners Lee

- British computer scientist
- Professor at MIT
- Instrumental in creating the World Wide Web in 1990 while working at CERN (European Organization for Nuclear Research)



Tim Berners Lee

Dumbest Sentence

“Web users ultimately want to get at data quickly and easily. They don’t care as much about attractive sites and pretty design.”



Design

Usability



Graphic Design

Beauty

Color

Hierarchy

Layout

Scale

Typography

Design

Usability

Walker Art Center
www.walkerart.org

FINAL DAYS
Graphic Design: Now in Production

OUT THERE
chelfitsch's peculiar farewell ode

TEEN ART LOUNGE
Make art, meet artists, eat snacks

THURSDAY NIGHTS
Risk-free. Carefree. Admission: free.

WALKER

8° F Mostly Cloudy

VISIT EXHIBITIONS & EVENTS MEDIA COLLECTIONS JOIN Q

January 18

HOURS: GALLERIES DINING SHOP

TODAY 11 am – 5 pm

DAILY 11 am – 5 pm

MON Closed

THU 11 am – 9 pm

TODAY'S EVENTS

SCREENINGS
Video by the Bay
JAN 2 FEB 28

SCREENINGS
Disarming Domesticity
AUG 2011 FEB 26

Artistic Programs

ARCHITECTURE / DESIGN

EDUCATION & COMM. PROGRAMS MORE >

TOURS & ACTIVITIES
Teen Art Lounge
JAN 19 FEB 16

FILM / VIDEO

NEW MEDIA INITIATIVES

PERFORMING ARTS


VISUAL ARTS

Sculpture Garden

OPEN DAILY, 6 AM – 12 MIDNIGHT

Frank Gaard on Dionysus and Dualism

BY PAUL SCHMELZER JANUARY 18, 2012



It's taken 32 years, but Frank Gaard's Walker solo show marks a homecoming of sorts for the Minneapolis-based artist: *Poison & Candy* is the painter's first solo show here since 1980. That year, *Viewpoints* featured 10 recent paintings, plus a selection of drawings. The new survey spans four decades and features more than 100 works, including paintings, zines, drawings, and notebooks. MORE

Frank Gaard: *Poison & Candy* is on view January 26–May 6, 2012

Top Stories

FROM THE ARCHIVES
Frank Gaard on Dionysus and Dualism

CHANCE RUMINATIONS
Bill T. Jones on *Story/Time*

MINNEAPOLIS SCULPTURE GARDEN
Tombstone for Phùng Vo

INTERNAL REVOLUTION
Lebanese Artist Rabih Mroué's Theater of Questions

LAST DANCE
A Final Farewell to Merce Cunningham's Company




NEW PERFORMANCE
Naked: Young Jean Lee on *Untitled Feminist Show*

THE OCULUS INHABITED
Elizabeth Simonson's Biomorph Sculptures

DESIGN INTERVIEW
Anthony Burrill's Advice for Living

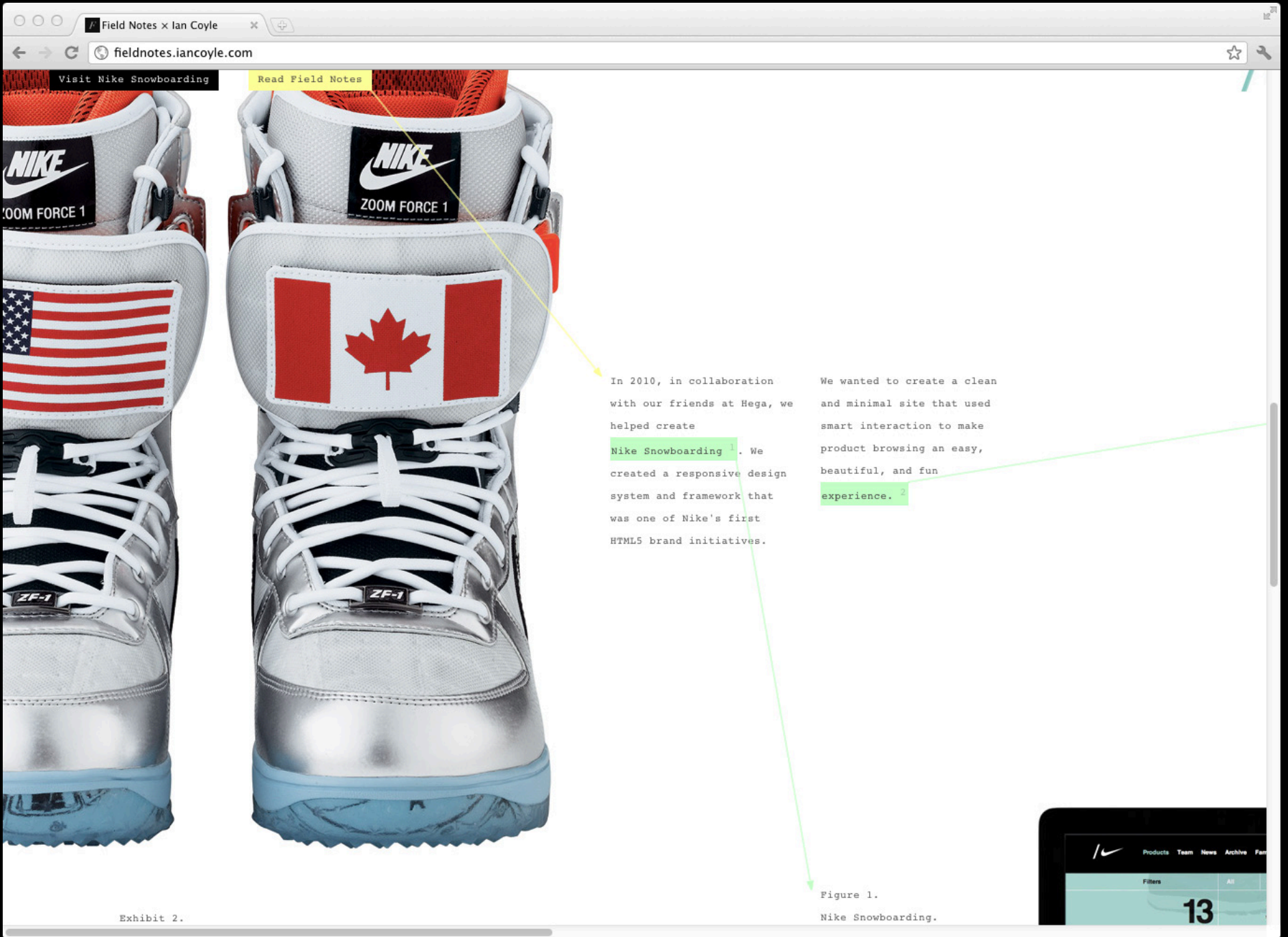
MORE

ART NEWS FROM ELSEWHERE MORE >

AD
EC
FV
NM
PA
VA

U.S. FILM
ARTIST TALKS
CLASSES
WALKER ART CENTER
EXHIBITIONS
CONCERTS
SCREENINGS
DANCE
MINNEAPOLIS SCULPTURE GARDEN
PERFORMANCES
LECTURES



The Lesson

On the web, good visual design, good interface design, and good programming are inextricably linked. In most cases it's hard to tell where one ends and the next begins.

Tim Berners Lee

Smartest Sentence

“The most important thing that was new was the idea of URI — or URL — that any piece of information anywhere should have an identifier, which will allow you to get hold of it.”



(URL: Uniform Resource Locator. URI: Uniform Resource Identifier)

1. HTML files

Page uploaded as a file and served as HTML. Fast, reliable, scalable.

Browser

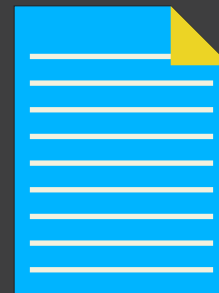


REQUEST

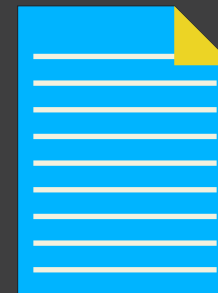


HEY! Give me
[http://site.com/
about.html](http://site.com/about.html)

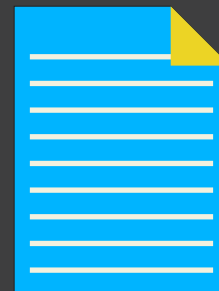
Server Software
(APACHE)



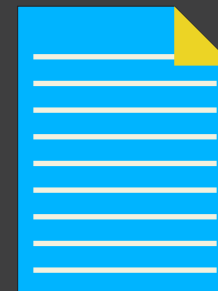
home.html



about.html



contact.html



portfolio.html

RESPONSE

OK! "Here is
some HTML"

2. PHP files

Page assembled dynamically (through functions, variables, includes) and served as HTML. Slower/less scalable but easier to manage.

Browser

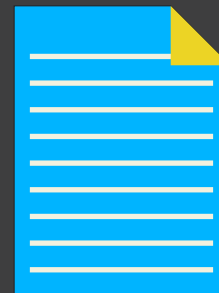


REQUEST

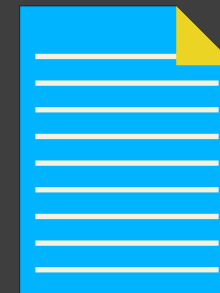


HEY! Give me
[http://site.com/
about.php](http://site.com/about.php)

Server Software
(APACHE RUNNING PHP)



home.php



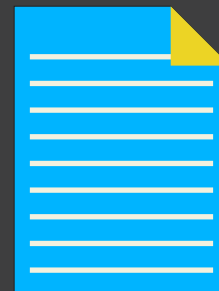
about.php



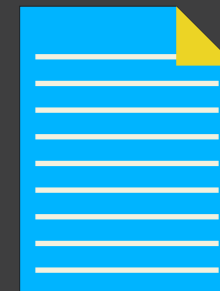
nav.php



header.php



contact.php



portfolio.php



footer.php

RESPONSE

OK! "Here is
some HTML"

3. PHP Templates and MySQL Database

Page assembled dynamically through PHP functions alongside database requests. Slowest/least scalable but easiest to manage, update, and distribute.

Browser

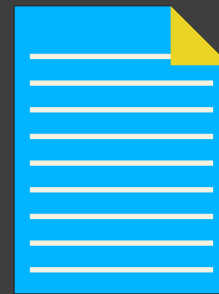


REQUEST



HEY! Give me
[http://site.com/
index.php?id=about](http://site.com/index.php?id=about)

Server Software
(APACHE RUNNING PHP)



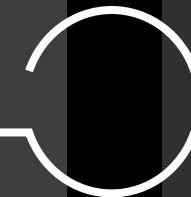
index.php



nav.php, etc.

Database
(MYSQL)

QUERY



RESPONSE



RESPONSE



OK! Here is
some HTML

1. HTML files

```
<!doctype html!>  
  <head> <title>My Site</title> </head>  
  <body>  
    <h1>Welcome to my Site</h1>  
    <p>I love cats!</p>  
  </body>  
</html>
```

2. PHP files

```
<!doctype html>  
  <head> <title>My Site</title> </head>  
  <body>  
    <h1>Welcome to my Site</h1>  
    <p>I love cats!</p>  
    <p>Today is <?php echo (date('l')); ?></p>  
  </body>  
</html>
```

3. PHP Templates and MySQL database

```
<!doctype html>
  <head> <title>My Site</title> </head>

  <body>
    <h1>Welcome to my Site</h1>
    <p>I love cats!</p>
    <p>Today is <?php echo (date('l')); ?></p>

    <?php
      include ('config.php');
      get_related_posts ();
    ?>

  </body>
</html>
```

The Lesson

The web is fundamentally a collection of resources available at addresses (URLs). Its fundamental strength is that any resource can link to any other, and you don't need permission to create a new resource or to link to another.

Dynamic websites complicate these relationships, but they don't fundamentally change them.