



# Dan Tilden

## UX DESIGNER

CONTACT  
dan.tilden@gmail.com

PORTFOLIO  
dantilden.com

*I strive to make  
life slightly less  
frustrating by  
improving the  
software and  
devices people  
use every day.*

### Timeline

2013–present  
Full-time

2012–2013  
Part-time

2009  
Internship

2008  
Consulting

## SKILLS

### Usability

Wireframing, high-fidelity prototyping, scenario-based design, data analysis (with R)

### Design Tools

Sketch, Pixelmator, Inkscape, Photoshop

### Web Programming

PHP, Rails, SQL, Javascript, JQuery, HTML5, CSS3, SASS, Jekyll, ExtJS

### Other Programming

Java, C#, Python, Unity

## PROFESSIONAL EXPERIENCE

## UX DESIGNER AT SICOM SYSTEMS

### Drive-Thru Director

- System to visualize a restaurant's drive-thru status
- Created initial wireframes and all final graphics
- Rated highly in test installations
- Will also be deployed at **over 8000** locations of a major restaurant chain this summer
- Graphics drawn with **Sketch**, used **HTML5** and **CSS animation** for animated mockups

### Chef (Production Control)

- System to assist burger chefs with food production
- Provided visual design and some CSS code
- Currently in testing at several restaurants
- Used **Sketch** for mockups, and **SASS** + **Compass** for custom **Sencha Touch** theme

### SEMS “4.0” Redesign Project

- Worked with a usability firm to deliver over 350 pages of wireframes depicting a reimagined version of the SEMS product
- Used **R** to analyze logs from the existing server
- Produced full-fidelity mockups of selected sections
- Created a custom theme package for **Sencha ExtJS** using **SASS**

### SEMS “2.0” Visual Refresh

- Various visual improvements to SEMS, a system used at over 7000 restaurants worldwide.
- After the refresh, SEMS jumped from the *lowest* rated product of its kind to the *highest* in surveys
- Mockups made in **Inkscape**, implemented using **PHP**, **HTML**, **CSS**, and **Javascript**.

## SIDE PROJECTS

### JGA: Crossroads of Destiny

- An open-source, side-scrolling, story-driven RPG
- Written using **Unity3D** in **C#**
- Original artwork created using **Pixen**, **SketchUp**, **Pixelmator**, and **Photoshop**
- Original soundtrack composed in **Garageband**

### Classic Wall

- An enhanced recreation of the pre-2005 Facebook wall
- Written using **PHP** and **PostgreSQL**
- Peaked at around **17,000 users**, including Facebook founder *Mark Zuckerberg*

## ACADEMIC

### Master's Thesis

Design and Evaluation of a Web-Based Programming Tool to Improve the Introductory Computer Science Experience

- Worked with a team to develop Pythy, an online IDE for introductory programming classes
- Conducted a study comparing Pythy to another IDE

### Education

Virginia Tech, GPA 3.81

- M.S. in Computer Science, May 2013
- Certificate in Human Computer Interaction

The College of New Jersey

- B.S. in Computer Science, May 2009

*This study was  
published in  
SIGCSE, the  
leading CS  
education  
conference.*