

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

Dan Tilden **UX DESIGNER**

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PORTFOLIO dantilden.com

SKILLS

Usability

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

Design Tools

Sketch, Inkscape, Adobe Photoshop, Adobe Illustrator

Web Programming

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

Other Programming

C, C#, Java, Javascript, PHP, Python, Unity

PROFESSIONAL EXPERIENCE

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

UX DESIGNER AT SICOM SYSTEMS

SEMS "4.0" Redesign Project

- Delivered over 350 pages of wireframes depicting a reimagined version of the SEMS product
- Worked with a usability consulting firm
- 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

Pebble Watchface: TimeStyle

- A stylish, modern watchface for the Pebble watch inspired by the visual language of the Pebble Timeline
- Within only 2 weeks, became one of the top 15 most popular color watchfaces, with over 860 "hearts" and more than 10,000 installations

ACADEMIC

Virginia Tech

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

The College of New Jersey

B.S. in Computer Science, May 2009

Research

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 use in introductory programming classes
- Conducted a study comparing students' use of Pythy with another class's use of a similar IDE

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