



Dan Tilden

UX DESIGNER

CONTACT
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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

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

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

- 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**.

ACADEMIC

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 Pythy with a similar IDE

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

SIDE PROJECTS

JGA: Crossroads of Destiny

- An open-source, side-scrolling, story-driven RPG
- Coded in **Unity** using **C#**, art assets drawn using **Pixen**, **SketchUp**, and **Pixelmator**.
- Original soundtrack composed in **Garageband**

Classic Wall

- Enhanced recreation of pre-2005 Facebook wall
- Peaked at around **17,000 users**, including Facebook founder *Mark Zuckerberg*

Honors & Institutional Service

Association for Women in Computing

Secretary, 2010 to 2013

Managed website and took meeting minutes

UPE (CS Honor Society) at TCNJ and VT

Treasurer (2009), Inductions Chair (2011-2013)

Water Watch, Environmental Club at TCNJ

Publicity Coordinator, (2006-2009)

Managed Website, created marketing materials.

NJ Outstanding Student Recruitment Program

Seeing Eye Puppy Raiser Scholarship