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.

SKILLS

Usability
Wireframing, high-fidelity prototyping, scenario-based design, concept modeling

Prototyping
Javascript, HTML5, CSS3, Polymer, SASS, PHP, Jekyll, ExtJS, C, C#, Unity

Design Tools
Sketch, Inkscape, Adobe Photoshop, Adobe Illustrator

Research
Questionnaire design, statistical data analysis (R)

PROFESSIONAL EXPERIENCE: UX DESIGNER AT SICOM SYSTEMS   2012 – PRESENT

DRIVE-THRU DIRECTOR
- Visualizes the status of cars waiting in a drive-thru using simple video-game inspired visuals instead of a numerical list of wait times
- Conducted interviews with restaurant managers, created initial wireframes and a motion prototype
- Currently deployed at **over 8,000** locations of a major restaurant chain

SELF-SERVICE ORDER KIOSK
- Allows customers at QSR locations to self-order
- Conducted analysis of currently existing systems on the market, and created motion designs illustrating potential interactions
- Currently in testing at several restaurants in European locations

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
- Team interviewed existing restaurant managers, and used **R** to analyze logs from the server to extract common user workflows

SEMS "2.0" VISUAL REFRESH
- Various visual improvements to SEMS, a system used at over 7,000 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**

OTHER FEATURED PROJECTS

TimeStyle was featured by tech publication The Verge in their review of the Pebble Time

SMARTWATCH FACE: TIMESTYLE
- A highly customizable and readable watch face for the Pebble smartwatch
- The 6th most popular Pebble face ever made, with nearly **100,000 installs**

SENCHA THEMING CONTEST: 1ST PLACE
- Submitted a complete theme package for Sencha ExtJS, based on Google's Material Design visual language
- Entry selected for first place, winning a **$2,500 prize**

NONPROFIT WEBSITE: ON OUR OWN
- Worked on team consisting of a visual designer, product designer, and two full-stack developers
- Created a maintainable, responsive website for a local nonprofit organization

ACADEMIC

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

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