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Dan Tilden
UX DESIGNER

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PORTFOLIO
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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, 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 — UX DESIGNER AT SICOM SYSTEMS

Timeline

*2013 - present
Full-time*

*2012-2013
Part-time*

*2009
Internship*

*2008
Consulting*

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**.

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

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

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