

# Kyle Witt

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## Skills

- Python, HTML, CSS, JavaScript, XML, PHP
- Prototypes, Wireframes, User Interviews, Usability Tests, Competitive Analysis, Storyboards, Flowcharts, Personas, Qualitative Research, User-Centered Design
- Command line, Server Administration

## Tools

- Microsoft Office, Google Workspace, Adobe Photoshop, Tableau
- Figma, Sketch, Trello, Slack
- MySQL/MariaDB, SQLite, MongoDB, Firebase
- Windows, Mac OS, Ubuntu, CentOS, iOS, Android
- WordPress, Joomla, DirectAdmin, cPanel
- Arduino, RaspberryPi

## Projects

### Twitter Data Mining & Sentiment Analysis

Explored trends in Twitter ads and user sentiment relating to Valentine's Day by authoring Python scripts to collect Twitter data via REST API and store in MySQL Database. Used machine learning, VADER, and NLTK to categorize and analyze 4.6 million tweets. Visualized results with Tableau.

### Dawdle: A Visual Guide to Flight Delays

Created website using HTML5, CSS3, Bootstrap, JQuery, and Tableau providing intuitive, interactive visualization of flight data allowing consumers to find the most efficient, cost-effective, and on-time itinerary. Utilized human-centered research methods including personas and usability studies to drive development. <https://dawdle.hcde.info>

## Experience

### Founder/President, OmniVolt

2007 – Present

- Successfully wear all hats to manage an elite provider of audio, video, network, security, and automation solutions.
- Establish and maintain productive relationships with high-end clientele by applying a human-centered approach to assess constraints and meet stakeholder needs.
- Design and install systems which create streamlined, interactive, secure, and aesthetically pleasing environments.
- Effectively educate and train users, offering product information to simplify and optimize applications of complex, evolving technologies.
- Continually ensure annual business growth and profit increase.

### UX Research/Design, University of Washington

2018-2019

- Collaborated with a diverse team from UW Medicine, including an MPH and OB/GYN.
- Awarded \$80k grant from highly competitive and fast paced Innovation Next accelerator program to use human-centered design (HCD) to develop technology-enabled solutions to aid in prevention of teen pregnancy.
- Exhaustively applied HCD research and design methodologies to understand stakeholder needs, and ideate, plan, prototype, and iterate solutions while actively engaging our target audiences.
- Successfully solicited an additional \$110k grant from Power to Decide to continue efforts.

## Education

### University of Washington, Seattle

June 2019

Master of Science, Human Centered Design & Engineering

*Relevant coursework:* Information Visualization, User-Centered Design, Qualitative Research Methods, Computational Concepts in HCDE

### University of California, San Diego

June 2007

Bachelor of Science, General Biology

Minor in Cognitive Science, emphasis in Human Computer Interaction