

Ty Van de Zande

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Carnegie Mellon University

Bachelor of Design, 2018

Publications

Printerface (ACM ISS 2017)

Electronic Garment for Input, Output, and Haptic Feedback (US Provisional Patent, 2017), Ser. No. 62582762

Awards

CMU SURG/CW & SURF Awards
CMU URO Presentation Award
Dean's List 2016 & 2017
STUDIO Micro-FRFAF
STUDIO FRFAF Arts @ Frontier
Good Food Award 90% Dark Choc.
BSA Eagle Scout

Skills

Adobe CC
Cinema 4D
Digital prototyping
Javascript/HTML/CSS
Photography
Physical prototyping (Arduino)
Rhino 3D modeling
User research & testing
Wireframing

Passions

Biking
Chocolate making
Music
Rowing Club

Printed Electronics Research Fellow (Spring 2016-current)

A self led research project designing interfaces for wearables, using illuminative and conductive screen print inks.

www.instagram.com/print.lights

Interactive Surfaces and Spaces (Presenter, 2017)

Presented demo of screen printed electronic music interface
HCI Conference in Brighton, UK

Secrets of a Carnegie Mellon University Education (Presenter, 2017)

Presented to ~200 parents/students about undergraduate research

Carrie Furnaces Redesign (Designer, Fall 2016)

Crafted a central thesis within a team of six designers
Researched history of landmark in Pittsburgh, PA
Designed minimal interventions to renovate the landmark

FiDo (Co-founder/Lead Designer, Fall 2015-current)

Developed brand identity and user-flow diagrams
Conducted user research and speak aloud walk through
Completed competitive analysis

Glass Blowing & Flame Working (Student, Spring 2016-current)

Taken four levels of glass blowing and flame working
Made 10x magnification borosilicate lens

Fringe Buggy (Lead Painter and Mechanic, 2014-2016)

Painted 10 buggys: translated design from sketch to 3D surface
Taught 5 people to paint with an automotive pressure feed sprayer
Helped 3 carbon fiber buggies come to formation

Screen~Print CMU (Volunteer, Fall 2014-current)

Answered hundreds of questions about the medium
Conducted individual and group workshops
Organized community activities