

Zachary T. Zimmerman

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oneman2feet.github.io

EDUCATION

Cornell University '17

B.S. in Computer Science
minors in game design and music
GPA 4.0/4.3

Stuyvesant High School '13

Advanced Regents Diploma
GPA 4.0

SKILLS

JS, Python
Java, C#
Cg, OpenGL
HTML/CSS

ProTools
Illustrator
Photoshop
Blender

HoloLens
Vive, Oculus
Unity, Unreal

Accessibility
Interaction Design
Typography

EXPERIENCE

Microsoft Studios - HoloLens, 2016

Researched, prototyped, and implemented new ways of utilizing spatial perception for HoloLens

Google - AdWords, 2015

Developed summary time comparison visualizations for Google AdWords

Bloomberg - Data Visualization, 2014

Designed data visualizations for the Bloomberg Terminal charting library

COURSEWORK

Design with Microcontrollers
Design in Virtual Reality
Analytic Game Design
Sound Design
Human-Computer Interaction Design
Video Game Design and Architecture
Computer Graphics
Design Methods
Analysis of Algorithms
Functional Programming
Discrete Mathematics
Visual Imaging in the Electronic Age

PROJECTS

Painting Sound - 1st Place HoloHack Winner

Augmented reality spatial sound visualizer
Implemented real-time beam-forming and sound location detection on HoloLens

Design in Virtual Reality

Investigated perception of scale in virtual reality and how it can be manipulated
Conducted a perception psychology experiment and designed experiences demonstrating the impact of results

Other Works - github.com/oneman2feet

Music visualizer, generative art, Pokemon AI, video games, and more

ACTIVITIES

The Chai Notes - Musical Director, 2016

Up-and-coming jewish a cappella group
Recently performed at the White House

Cornell Glee Club, 2015

World-renowned choral ensemble
Recently performed at Carnegie Hall