

# KRISTIAN ZADLO

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## EDUCATION

### M.S. in Integrated Design and Media

New York University, NY

Cumulative GPA: 4.0/4.0

AUG 2020 - MAY 2022 (EXPECTED)

### B.S. in Computer Engineering

Rose-Hulman Inst. of Technology, IN

Cumulative GPA: 3.9/4.0

AUG 2017 - MAY 2020 (3 YEARS)



Augmented Reality

Programming

Machine Learning

Virtual Staging

Rapid Prototyping

Fluent in English and Polish

## RELEVANT COURSEWORK

### Mobile Augmented Reality

- Created 6 augmented reality experiences by compiling 2D and 3D assets in Maya, Unreal Engine, and LensStudio
- Designed and programmed 2 virtual filters in LensStudio using voice, gesture, and facial expression recognition
- Considered purposeful virtual enhancements to storytelling, print media, physical locations, and user experience

### Mixed Reality Filmmaking / Virtual Production / Motion Capture

- Constructed virtual film sets with scenography and directory affordances by collaborating with 15 students remotely
- Filmed virtual shorts using 3D assets in Unreal Engine and Maya while compositing in Premiere Pro and After Effects
- Performed and cleaned 26 motion captures using Motive OptiTrack, RADiCAL, Maya, and MotionBuilder

### Ideation and Prototyping / Wearables / Theories of Design, Media, and Technology

- Conceptualized, designed, and rapidly constructed 13 creative and minimal physical and digital prototypes
- Identified meaningful features for wearables and social media from stakeholder interviews and secondary research
- Explored user experience designs according to the affordances of mediums such as fashion and social media

## EXPERIENCE

### AI Engineering Intern / Indiana Microelectronics, LLC, West Lafayette / JUNE - DEC 2020

- Engineered calibration software that improved the process from 480 man hours to 7 minutes
- Entrusted with conducting 5 client presentations, 30 minutes each, on AI calibration
- Analyzed 6 datasets of up to 10,000 samples to design Neural Network and General Adversarial Network algorithms
- Enhanced engineer productivity by creating 2 Python libraries for equipment interaction and machine learning tasks
- Simplified company workflow by creating 2 database programs with GUIs for managing measurements and inventory

### Software Engineering Intern / Relativity, Chicago / MAY - AUG 2019

- Optimized 100 C# functional, integration, and unit tests to run 40 min faster
- Automated test code improvements and daily workflow through 4 Powershell scripts
- Reduced test initialization time by connecting a Jenkins pipeline to Azure using Groovy and Powershell
- Interacted daily with a multi-thousand file codebase of files reaching 1000 lines of code

### Lead Developer / Vertabiz, LLC (Startup) / MAY - DEC 2018

- Facilitated software development by leading 3 software engineering interns and collaborating with 4 UX researchers
- Designed and implemented a Java RESTful service backend that connected to Firebase database
- Implemented a REACT Native application frontend that connected to RESTful services

### Volunteer Troop Leader and Chaperone / Polish Scouting Organization / AUG 2014 - May 2021

- Organized and led 13 trips, up to 14 days in length, with \$4,000 budgets for up to 40 people
- Enabled weekly leadership activities by collaborating with 6-person patrols and managing \$10,000 across 3 years
- Mentored groups of up to 25 teens to become young leaders

## TRACK AND FIELD

Ranked 7th in Heptathlon (2020, D3 Great Lakes Region)

Ranked 13th in Pole Vault (2020, D3 Great Lakes Region)

3x All-Conference Champion (2018-2020)

12x Conference Scorer (2018-2020)

## HONORS AND ACTIVITIES

Eta Kappa Nu and Tau Beta Pi Honor Societies

Chicago Startup Weekend (3rd Place)

Terre Haute Startup Weekend (3rd Place)

Studied abroad in Rome, Italy