KRISTIAN ZADLO

✉ kfz207@nyu.edu   📞 (708) 955 7498   🌐 kristianz.github.io/   in www.linkedin.com/in/k-zadlo/

OBJECTIVE: Full-time position in mixed reality development that uses my media and engineering backgrounds

EDUCATION

M.S. in Integrated Design and Media	**B.S. in Computer Engineering**
New York University, NY	Rose-Hulman Inst. of Technology, IN
Cumulative GPA: *4.0/4.0*	Cumulative GPA: *3.9/4.0*
AUG 2020 - MAY 2022 (EXPECTED)	AUG 2017 - MAY 2020 (3 YEARS)

Programming   Machine Learning   Virtual Staging   Prototyping   Augmented Reality   Fluent in English and Polish

RELEVANT COURSEWORK

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 14 motion captures in RADiCAL and MotionBuilder

Mobile Augmented Reality
- Created 6 augmented reality experiences by compiling virtual assets in Maya and programming actions in LensStudio
- Considered purposeful virtual enhancements in storytelling, print media, physical locations, and facial expression
- Performed and collaborated on 12 motion captures using Motive OptiTrack and Maya

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

HONORS

Eta Kappa Nu Honors Society (Webmaster and Tutor)
Tau Beta Pi Honors Society (Member)
Alpha Lambda Delta Honors Society (Historian)
Chicago Startup Weekend (3rd Place)
Terre Haute Startup Weekend (3rd Place)

ACTIVITIES

Interested in photography and film
Aspiring track and field decathlete
Volunteer leader for the Polish Scouting Org.
Studied abroad in Rome, Italy