Kenny Chen

first year phd student @ nyu

CONTACT

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EDUCATION

Sep. '23 - Present	PhD in COMPUTER SCIENCE **New York University** | Brooklyn, NY Advisor: Prof. Qi Sun
Sep. '21 - May '23	MS in COMPUTER SCIENCE **New York University** | Brooklyn, NY Advisor: Prof. Qi Sun
Aug. '17 - May '21	BA in COMPUTER SCIENCE **University of California, Berkeley** | Berkeley, CA Advisor: Prof. Carlo H. Séquin Swim Club at Berkeley, VP of Tech at Innovative Design Club, The Daily Cal

PUBLICATIONS

*equal contribution

Journal & Conference Papers	TOWARD OPTIMIZED VR/AR ERGONOMICS: MODELING AND PREDICTING USER NECK MUSCLE CONTRACTION Y. Zhang, **K. Chen**, Q. Sun *SIGGRAPH* 2023 COLOR-PERCEPTION-GUIDED DISPLAY POWER REDUCTION FOR VIRTUAL REALITY B. Duinkharjav*, **K. Chen***, A. Tyagi, J. He, Y. Zhu, Q. Sun *SIGGRAPH Asia* 2022
Other Papers	IMPERCEPTIBLE COLOR MODULATION FOR POWER SAVING IN VR/AR **K. Chen**, B. Duinkharjav, N. Ujjainkar, E. Shahan, A. Tyagi, J. He, Y. Zhu, Q. Sun *SIGGRAPH* 2023 | Emerging Technologies

WORK EXPERIENCE

June '23 - Present	**Research Scientist Intern** | META | Sunnyvale, CA Advisor: Dr. Alex Chapiro.
June '22 - Aug. '22	**Research Intern** | CESIUM | Philadelphia, PA Advisor: Dr. Norman I. Badler Deep learning for video prediction.

Sep '21 - Dec. '21	**Software Engineer Intern** | NVIDIA | Remote Developed C++ DRIVE Sim plugin in Omniverse.
SU '21	**Software Engineer Intern** | ADI | Remote
SU '20	**Software Engineer Intern** | CONFLUENT | Remote
SU '19	**Software Engineer Intern** | INTUIT | Mountain View, CA

TALKS

paper talk	**Color-Perception-Guided Display Power Reduction for Virtual Reality** *SIGGRAPH Asia 2022* | Daegu, South Korea | Dec. 2022

TEACHING

Spring 2023	**Course Assistant**, Data Visualization (CS-GY 6313)
Fall 2021	**Course Assistant**, Interactive Computer Graphics (CS-GY 6533)
Spring 2021	**Undergraduate Student Instructor**, Computer Graphics and Imaging (CS 184)
Fall 2020	**Group Tutor/Reader**, Intro to Computer Vision & Comp. Photography (CS 194-26)

OUTREACH AND ACTIVITIES

2020-2021	**VP of Technology**, Innovative Design at Cal
2018	**Volunteer**, Special Needs Aquatics Program

AWARDS

2023	**NYU Tandon School of Engineering PhD Fellowship**
2021	**NYU Tandon Graduate Scholarship**
2020	**Computer Graphics Final Project Showcase Winner**, UC Berkeley (CS 184)
2019	**Probability Theory 1st Place Catan AI Competition**, UC Berkeley (EECS 126)