

Jeremy Klotz

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EDUCATION

Columbia University Ph.D. in Computer Science Advisor: Shree Nayar	New York, NY Tentative: 2027
Carnegie Mellon University B.S., M.S. in Electrical and Computer Engineering GPA: 4.00 / 4.00	Pittsburgh, PA May 2022

PUBLICATIONS

Shree K. Nayar, **Jeremy Klotz**, Nikhil Nanda, and Mikhail Fridberg, “Cricket: A Self-Powered Chirping Pixel,” ACM Transactions on Graphics, 2024.

Jeremy Klotz, Mohit Gupta, and Aswin C. Sankaranarayanan, “Computational 3D Imaging with Position Sensors,” ICCV 2023 (**Oral Presentation**).

Jeremy Klotz, Vijay Rengarajan, and Aswin C. Sankaranarayanan, “Fine-Grain Prediction of Strawberry Freshness using Subsurface Scattering,” ICCV Workshop on Large-Scale Fine-Grained Food Analysis (LargeFineFoodAI), 2021.

EXPERIENCE

Metron Summer 2021
Research Intern

- Designed stochastic algorithms to synthesize synthetic aperture sonar images for buried object detection.

PokerCam: ECE Capstone Project Spring 2021

- Collaborated with two other students to design, implement, and test a portable card shoe that images and classifies playing cards as they are dealt.
- Awarded 3rd place out of 38 teams.

LEADERSHIP

Carnegie Mellon University Emergency Medical Service (CMU EMS) 2018 - 2022
Captain, Supervisor 2021 - 2022

- Represented CMU EMS with external stakeholders, including the Carnegie Mellon Police Department, City of Pittsburgh EMS, and university decision-makers to facilitate effective partnerships and maintain the agency’s response to the COVID-19 pandemic.
- Oversaw agency medical operations in cooperation with the medical director to ensure consistent medical care and lead quality assurance.
- Managed all aspects of a five-person crew during 24-hour shifts, including medical care, training, and debriefing.
- Volunteered over 3000 hours on-duty responding to medical emergencies.

AWARDS

NDSEG Fellow	2023
University Honors, <i>Carnegie Mellon University</i>	2021
Eagle Scout	2017

TEACHING

Teaching Assistant, <i>First Principles in Computer Vision</i>	Fall 2022, Fall 2023
Teaching Assistant, <i>Computational Imaging</i>	Spring 2024

CERTIFICATIONS

Extra-class FCC Amateur Radio License
Emergency Medical Technician (NREMT, PA EMT)