



Channel Islands  
CALIFORNIA STATE UNIVERSITY

## SEMINAR

### COMPUTER SCIENCE - IT - MECHATRONICS ENGINEERING - MSCS

**March 8, 2019, 10:00- 11:00am**

**Broome 2330**

**Speaker:** Dr. Eric Kaltman

**Title:** The Future of Software's Past: Software and Game Preservation Issues, Methods and Pedagogy

**Abstract:** How do we preserve the historical artifacts of software development for the analysis and insight of future generations? What benefits would access to those materials provide? Dr. Kaltman's talk will introduce basic issues in the field of software preservation, and highlight his research into the stabilization and expression of the software historical record. Investigations into legacy software, and methodologies for current system preservation involve potential contributions from numerous fields in and outside of Computer Science. As a result, many of the skills needed to work on software preservation and software historical tasks can support pedagogical outcomes.

**Bio of the speaker:** Dr. Eric Kaltman is the CLIR Post-Doctoral Fellow for Data Curation in the Sciences at Carnegie Mellon University, where he works on software preservation infrastructures. His primary research focuses on methodologies and tools for software and computer game preservation, to aid in both software design and software historical practices. From 2013-2017, Dr. Kaltman was the research manager of the Game and Metadata Citation Project, a 4-year collaboration between UC Santa Cruz and Stanford University Libraries. That project included work on machine learning for visualizing software collections, controlled term ontologies for computer game description, and citation of emulated program states. Dr. Kaltman has a PhD in Computer Science from UC Santa Cruz, and a Masters in Chinese Studies from UC Berkeley, where he worked on serious games for language study, environmental awareness, and medical diagnosis.

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