

# EUGENE M COX

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## EDUCATION

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**University of Illinois At Urbana-Champaign**  
Informatics PhD Student

*August 2019- expected May 2025*

**California State University, Dominguez Hills**  
Undergraduate Psychology  
Minor in Information Systems  
McNair Scholar

*August 2016 - May 2019*

## TECHNICAL STRENGTHS

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<b>Computer Languages</b>	R, Shiny
<b>Software &amp; Tools</b>	LaTeX, Excel, SPSS, RStudio, Alteryx, Tableau

## RESEARCH INTERESTS

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Human Computer Interaction  
User Experience Research  
Ubiquitous Computing  
Accessibility  
Wearable Devices

## EXPERIENCE

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**CSU Dominguez Hills**  
*George Marsh Applied Cognition Lab - Research Assistant*

August 2016 - 2017

- Developed and distributed survey
- Collaborated with under students with weekly meetings and bi-weekly meetings in GMAC lab
- Literature Review
- Collect data and ran statistical analysis in SPSS
- Developed APA style graphs and presentation
- NIH and FERPA Certification
- Presented at student research day

**CSU Dominguez Hills**  
*McNair Scholar - Research Assistant*

2017-2018

- Developed and distributed survey
- Collaborated with under students with weekly meetings and bi-weekly meetings in GMAC lab
- Analyzed data, conducted cross tabulations and presented data trends in SPSS
- Presented at student research day
- Presented at WDSI Conference in Hawaii 2018
- McNair Writing sample

**Indiana University**

2018

*NSF Summer REU*

- Worked with faculty mentor and graduate students to conduct cross-computing research
- Literature review
- Weekly meetings with fellow researchers and graduate mentors to discuss project timelines
- Conducted summer computing camps with older adults and girl scouts using paper circuits and LilyPad Arduino
- Developed pre and post survey
- Conducted participatory design sessions with older adults using Garmin Activity Trackers
- Designed data visualization mockup based on participatory design session in Java
- Qualitatively analyzed data
- Transcribed workshop recordings
- Presented and won prize at summer research symposium
- NIH and CITI Certification
- Produced ACM formatted paper using LaTeX
- Learned basic R and Java Programming

**CSU Dominguez Hills**

2018- Present

*Dymally African American Political and Economic Institute- Research Assistant*

- Literature review
- Weekly meetings with PI
- Survey construction and distribution
- Analyzed data, conducted cross tabulations and presented data trends in SPSS and Excel
- Presented and won best paper at Southbay Economic Forecast Institute
- Presented at student research day

**University of Illinois**

2019

*Summer Predoctoral Institute*

- Summer internship to acclimate incoming PhD students to their program
- Bi-Weekly workshops with graduate student mentor on graduate school culture
- Weekly professional development and sustainability seminars
- Worked with human factors lab conducting research with older adults
- Bi-weekly meetings with research lab
- Qualitatively and quantitatively analyzed participant data with undergraduate research assistant
- Presented research at summer symposium

**University of Illinois**

2019-Current

*Projects with Cynthia D'Angelo**Graduate Research Assistant*

- Collaboration with medical instructors to create data visualizations from audio data for analyzing engagement of group collaboration

**University of Illinois**

2019-Current

*Projects with Dan Morrow**Graduate Research Assistant*

- *Closing the loop in Computer Agent/ Patient Communication*, evaluating a computer agent to address patient-centered communication with older adults regarding self-care.
- *COVID-19 Risk Mitigation Counselor*, creation and evaluation of a Covid-19 chatbot to help users better assess risk in outdoor activities.

## ACADEMIC ACHIEVEMENTS

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Joined CSUDH Assesment Lab in 2017

Joined George Marsh Cognition Lab in 2017

Awarded McNair Scholarship in 2017

Conducted NSF research at Indiana University summer 2018

Won best paper and \$200 prize at SouthBay Economic Forecast Institute

CSUDH Student Research Day 2nd Place winner \$ 200

## SCHOLARY WORK:

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Morrow, D, Azevedo, R.F.L., Sari L., Gu, K., Sakakini, T., Hasegawa-Johnson., Bhat,S., Graumlich, J., Huang,T.,Hariharan, A., Shao, Y., **Cox, E**(2020) *Closing the Loop in Computer Agent/Patient Communication*. Proceedings of 2020 Human Factors and Ergonomics Society Annual Symposium