

Education

Carnegie Mellon University Aug. 2017 - Present
PhD in Computer Science

Carnegie Mellon University May 2017
Master of Science in Computer Science

- GPA: 3.94

Queens College, City University of New York 2015
Bachelor of Arts, Summa Cum Laude

- Majors: Honors Biology and Neuroscience; Psychology
- Thesis: "Effect of Emotional Primes on Sensitivity to Tilt as a Function of Spatial Frequency and Orientation"
- Minor: Studio Art
- GPA: 3.96

Research and Work Experience

Graduate Research Assistant Aug. 2017 - Present
Dr. Nathan Beckmann's Computer Architecture Lab at CMU

Research Associate June 2017 - Aug. 2017
Dr. Nathan Beckmann's Computer Architecture Lab at CMU

Graduate Research Assistant June 2016 - June 2017
Dr. Brad Myers' Lab, HCII at CMU

- Led team in designing, implementing, and testing novel smartwatch keyboard
- Built Arduino-based hardware prototype; wrote server for real-time application logic and computation, Android Wear GUI, user-testing suite

Independent Study Spring 2016
Dr. Jennifer Mankoff's Lab, HCII at CMU

- Designed and implemented a tactile feedback systems to augment a KSI (keyboard surface interaction), a novel interaction method for the visually impaired

Undergraduate Research Assistant 2011 - 2015
Dr. Andrea Li's Visual Psychophysics Lab, QC CUNY

- Investigated influences of affective primes on early vision

Teaching Experience

Teaching Assistant Spring 2017
CMU 15-740 Computer Architecture

Interests and Skills

Computer Architecture, Operating Systems
C, C++, Python, Java, Go
HPC with OpenMP, MPI, CUDA
Adobe Photoshop, Illustrator

Awards, Honor and Professional Societies

Phi Beta Kappa Society Member	2015 - Present
Association of Computing Machinery - Student Member	2017 - Present
Queens College Biology Honor Society - Member, Tutor	2013 - 2015
Undergraduate Research and Mentoring Education Grant	2011 - 2012
Presidential Achievers Honor Roll	2010 - 2011

Papers and Conference Presentations

Khurana, R., McIsaac, D., **Lockerman, E.**, & Mankoff, J. (2018, April). Nonvisual Interaction Techniques at the Keyboard Surface. In Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems (p. 11). ACM.

E. Lockerman, S. Wu, A. Rao, J. Lin, N. Bantoc, and B. Myers. "Text Entry Using Five to Seven Physical Keys." 2017 IEEE Symposium on Visual Languages and Human-Centric Computing. IEEE, 2017.

Posters

Lockerman, E., Fowler, M.L., and Li, A. The Influence of Affect on 2D Pattern Perception. Poster presented at: Sigma Xi, Queens College Chapter 28th Poster Day. Queens College, CUNY, Flushing, New York, April 2014.

Fowler, M. L., **Lockerman, E.**, and Li, A. The Influence of Affect on 2D Pattern Perception. Poster presented at Vision Sciences Society Thirteenth Annual Meeting. Waldorf Astoria Naples, Naples, Florida, May 2013. Abstract in *Journal of Vision*, 13(9): 267