

Braden M.H. KATZMAN

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EDUCATION

<i>Class of</i> 2018	The Jewish Theological Seminary of America Master of Arts , Jewish Philosophy GPA 3.78 Expected Graduation May 2018
<i>Class of</i> 2017	Columbia University Bachelor of Arts , Computer Science (Intelligent Systems) GPA 3.34 Academic Honors Dean's List (Fall 2015)
<i>Class of</i> 2017	The Jewish Theological Seminary of America Bachelor of Arts , Jewish Philosophy GPA 3.61 Academic Honors Cum Laude Academic Awards Fanny Schneyer Education Award
<i>Dual B.A.</i>	Cumulative GPA 3.48
<i>Summer</i> 2015	Stanford University Certificate of Completion , Summer Intensive in Computer Science

WORK EXPERIENCE

SEPTEMBER 2015 PRESENT	Sloan Kettering Institute, The Zhirong Bao Lab, Computer Vision and Graphics Engineer <ul style="list-style-type: none">•Image segmentation systems in 4D, Volumetric 3D Reconstruction, 4D visual information systems for the study of developmental neuroscience in <i>C. elegans</i>•Experience with Java, MATLAB, Python, C
AUGUST 2017 JANUARY 2018	Datafay, Machine Learning Engineering Intern <ul style="list-style-type: none">•SQL query generator and optimizer from natural language for Power BI data visualizations•Experience with SQL and Tensorflow
DECEMBER 2016 MAY 2017	Seecure Systems, Image Processing Engineering Intern <ul style="list-style-type: none">•Human detection, recognition and tracking systems for CCTV data via deep learning•Experience with OpenCV and Tensorflow
AUGUST 2015 MAY 2016	Columbia University Software Systems Lab, Undergraduate Researcher <ul style="list-style-type: none">•Deep Linking and Universal Sharing research on Android using the Unity Game Engine

PROJECTS AND PUBLICATIONS

MARCH 2018	Braden Katzman ; Doris Tang; Anthony Santella; Zhirong Bao. AceTree: A Major Update and Case Study in the Long Term Maintenance of Open-Source Scientific Software. <i>BMC Bioinformatics</i> . Accepted 2018 March. (Manuscript)
JUNE 2017	WormGUIDES: Assembling and Accessing an Integrated Record of Neural Development. Anthony Santella; Doris Tang; Braden Katzman ; Zhirong Bao, et al Affiliations: Sloan Kettering Institute, Yale University School of Medicine, NIH Section on High Resolution Optical Imaging, UConn Health Center Poster presented at 21st International <i>C. elegans</i> Conference
SPRING 2018	Pragmatic Ethical Theory (Exp: May 2018) This MA thesis in progress explores multiple approaches to ethical theory and contemporary normative ethics, particularly supernaturalism and moral realism. Using Dr. Korsgaard's criteria for moral theorizing, I offer a pragmatic metaethical account as a solution to the problems encountered with theistic ethics and reductive naturalist approaches to ethical theory. My goal is to motivate an alliance between secular humanists and religiously-inclined peoples in building an egalitarian, communicational ethical discourse in the key of humanism.

ASSOCIATIONS

2015 - 2017	WormGUIDES, Computer Scientist WormGUIDES is a consortium of biologists, computer scientists and microscopists seeking to create a novel systems-level resource that will facilitate examination of cellular decisions in the developing nervous system of the nematode <i>C. elegans</i>
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