

ELLEN VAN WYK

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EDUCATION

- University of California, Berkeley** – Master of Information Management and Systems 2016 (anticipated)
Relevant Courses: User Interface Design, Web Architecture, Distributed Computing, Information Organization
- University of Washington, Seattle** – Bachelor of Science, Neurobiology 2013
- University of Washington, Seattle** – Bachelor of Arts with Honors, Interdisciplinary Visual Arts 2013

WORK & VOLUNTEER EXPERIENCE

- University of Washington Computer Science Department** **Seattle, WA**
Research Assistant - Facial Expression Research Group
2013 - 2014
- Wrote sections of research paper submitted to SIGGRAPH Asia, including facial expression psychology and math related work sections, that received positive feedback from paper reviewers
 - Developed components of math model in MATLAB that were integrated into Maya plugin prototype, using PCA, interactive visualizations, multivariate regressions, clustering, and crowd-sourced data
 - Designed, analyzed in MATLAB, and presented user study experiment. Wrote user study section of paper that was well received by SIGGRAPH Asia reviewers
 - Presented related work and math research weekly to an interdisciplinary team of artists and computer scientists
- University of Washington Computer Science Department** **Seattle, WA**
Teaching Assistant - Character Design Class
Summer 2013
- Developed and presented curriculum on animation principles and Maya techniques for new class
 - Graded student work and supervised lab sessions
- SIGGRAPH 2014** **Vancouver, BC**
Student Volunteer
Summer 2014
- Was selected from competitive pool to support conference and engage in computer graphics community

LEADERSHIP EXPERIENCE

- University of Washington Animation Capstone** **Seattle, WA**
Prop Shading Lead
2012 - 2013
- Led team to color props and scenery for a 5 minute animated short to maintain a consistent look and feel
 - Contributed to character design, animation, concept art, layout, and 3D modeling using Maya
- University of Washington Undergraduate Neuroscience Journal** **Seattle, WA**
Cofounder and Editor
2012 - 2014
- Recruited and connected art students with authors in the sciences to produce editorial illustrations
 - Contributed articles and editorial illustrations about current issues in neurobiology
 - Raised \$3,000 for journal and established mentorships in neurobiology department
 - Established an ongoing community of over 50 members and bi-annual print and online publications

AWARDS & CERTIFICATIONS

Mary Gates Leadership Scholarship
Robert C. Byrd Scholarship
National Merit Commended Scholar
Certified Natural Science Illustrator (2014)

SKILLS & SOFTWARE

Adobe Photoshop and Illustrator, Justinmind
Autodesk Maya
HTML, CSS, Python and MATLAB
Painting and Drawing