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   SKILLS & SOFTWARE

Mary Gates Leadership Scholarship	Adobe Photoshop and Illustrator, Justinmind
Robert C. Byrd Scholarship	Autodesk Maya
National Merit Commended Scholar	HTML, CSS, Python and MATLAB
Certified Natural Science Illustrator (2014)	Painting and Drawing