

ELLEN VAN WYK

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EDUCATION

- University of California, Berkeley** – Master of Information Management and Systems 2016 (anticipated)
Relevant Courses: Information Visualization, 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 EXPERIENCE

UC Berkeley School of Information **Berkeley, CA**
Graduate Student Instructor - Interface Aesthetics
Spring Semester 2015

- Supported lecture development, critiqued student work, and organized course materials for graduate design class

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 for SIGGRAPH Asia paper
- 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

LEADERSHIP EXPERIENCE

UC Berkeley Code 510 **Berkeley, CA**
Mentor for High School Students
Fall 2014 - present

- Provided weekly artistic and technological support for high school students developing a game in Twine

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

University of Washington Undergraduate Neuroscience Journal *Grey Matters* **Seattle, WA**
Cofounder and Editor
2012 - 2014

- Recruited and connected art students with authors in the sciences to produce editorial illustrations
- 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