TRACY TRAN

PROGRAM MANAGER & HCI RESEARCHER

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EXPERIENCE

Microsoft / Program Manager
2018 - present

Drive the design and implementation of experiences for Microsoft Office that reimagine the way people work via pen, touch, and voice.

Collaborate closely with engineers, designers, and stakeholders on AI features such as converting handwritten ink to digital math and a presentation coach which helps people present more effectively and inclusively.

Ensure that all features shipped by my team meet accessibility standards. Additionally, maintain and improve the Automatic Alt Text service, which captions photos inserted into Office to aid those using a screen reader; in 2018 the service captioned over 1 billion photos.

UW Make4All Lab / Undergraduate Researcher
2017 - 2018

Conducted research that supports inclusion and accessibility through physical computing. Projects included 3D printed interfaces to enhance mobile accessibility, and a wearable maternity shirt that reacts when touched without consent.

Served as project lead and mentored younger students in addition to individual contributions of fabricating hardware, creating textiles, and running usability studies.

Pacific Northwest National Lab / Research Fellow
Summer 2015

Modeled atmospheric chloride dispersion and deposition to evaluate the potential of DUSTRAN software for predicting the degradation of used nuclear fuel canisters due to stress corrosion cracking. Software refinement yielded promising agreement between simulated and measured values.

EDUCATION

University of Washington
2014 - 2018

B.S. Computer Science
Minor Mathematics
3.94/4.0 - Magna Cum Laude

PUBLICATIONS

Interactiles: 3D Printed Tactile Interfaces to Enhance Mobile Accessibility. X. Zhang, **T. Tran**, Y. Sun, I. Culhane, S. Jain, J. Fogarty, J. Mankoff. ASSETS 2018.

Preliminary Evaluation of the DUSTRAN Modeling Suite for Modeling Atmospheric Chloride Transport. P. Jensen, **T. Tran**, B. Fritz, F. Rutz, S. Ross, A. Gorton, R. Devanathan, P. Plante, K. Trainor. Journal of Air Quality, Atmosphere & Health, Volume 10, Issue 1, pp 25-31, 2017.

SKILLS

Software: Java, C, C++, C#, Arduino, Processing, SolidWorks, D3, ROS, HTML, CSS, MATLAB

Fabrication: Laser cutting, 3D printing, electronics, woodshop, sewing, rapid prototyping

Other: Organizing complex events, teaching, giving talks, creating unique morale activities for large groups