TRACY TRAN

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PROFESSIONAL EXPERIENCE

Allen Institute for Brain Science / Project Manager 3
2022

Planned and led neuroscience research software projects. Created product definitions based on scientific requirements, developed roadmaps, managed cross-team collaboration and plan execution, communicated plans with stakeholders.

Projects included [Human Alzheimer's Disease Brain Cell Atlas](#), a suite of high-resolution visualization tools to explore brain cells from donors with and without Alzheimer's disease.

Microsoft / Program Manager 2
2018 – 2022

Microsoft Research
Managed research projects with researchers, community members, engineers, and legal teams.

Projects included [Eclipse](#), the deployment of 100+ low-cost custom air quality sensing devices to Chicago to study hyperlocal air quality discrepancies within cities.

Microsoft Office
Drove the design and implementation of PowerPoint, Word, and Excel pen, touch, and voice experiences. Researched user needs, conducted competitor analysis, prototyped and tested designs, wrote specification documents, analyzed telemetry data, drove engineering teams under tight deadlines.

Projects include [Word Transcribe](#) and [PowerPoint Speaker Coach](#), a tool to help people present more effectively.

Pacific Northwest National Lab / Research Fellow
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

Integrated multimodal cell atlas of Alzheimer's disease. Gabitto et al. *Submitted.*

Eclipse: An End-to-End Platform for Low-Cost, Hyperlocal Environmental Sensing in Cities. Daepp et al. IPSN 2022.

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. **joint first author.*

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.

PERSONAL EXPERIENCE

Muralist in support of Black Lives Matter / "Beautify Seattle Chinatown International District" campaign

Guest Lecturer on designing for accessibility in technology, UW