

Anzu Hakone

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Education

Tufts University - Medford, MA

May 2017

M.S. Computer Science (4.0 GPA)

- **Relevant courses:** Computer Graphics, Machine Learning, Visualization Seminar, Human Computer Interaction Seminar, Human-Machine System Design, Affective Interfaces, Computer System Security
- **Activities:** ACM-W (Chapter Chair), CS Graduate Student Organization (Master's Representative)

Tufts University - Medford, MA

May 2015

B.S. Computer Science, Psychology (3.35 GPA)

- **Dean's List:** four semesters
- **Relevant courses:** Visualization, Algorithms, Machine Structure and Assembly Language Programming, Data Structures, Game Development, Web Programming

Major Projects

- Devised and tested personalized risk communication tool for prostate cancer patients
- Implemented deferred shading renderer using geometry buffers and GLSL
- Designed and developed "Microburst" computer game as part of 4-member group
- Created "Healthy Habits" website for users to track and improve lifestyle habits

Employment

Visual Analytics Lab at Tufts (VALT)

January 2015 to present

Research Assistant

- Design narrative to facilitate patient comprehension of risks associated with medical interventions
- Implement online tool utilizing data visualizations of clinical prediction models
- Collaborate with Maine Medical Center to conduct user-testing with 2 urologists and 12 patients
- Published findings: [A. Hakone](#), L. Harrison, A. Ottley, N. Winters, C. Gutheil, P. K. Han, R. Chang. PROACT: Iterative Design of a Patient-Centered Visualization for Effective Prostate Cancer Health Risk Communication. *IEEE Transactions on Visualization and Computer Graphics*, 23(1), 2017

TÜV Rheinland – Yokohama, Japan

July 2014 to present

Intern, Free Agent

- Develop and implement new Excel VBA macros for quick test report generation
- Draft monthly Technical Advisors Certificates for approval of \$100 million photovoltaic power plant project loan requests

Tufts University

September 2015 to December 2015

Graduate Teaching Assistant

- Planned and graded assignments and labs for Computer Science Visualization class, focusing on the design, implementation, and implication of various data visualizations

Skills

Programming: C++, Javascript (jQuery, D3, Bootstrap), Java, OpenGL, C, Python, HTML5, CSS, VBA

Applications: Processing, SPSS, Git, MongoDB, Heroku, Valgrind, Inform, Pixelmator, Blender

Languages: Native Japanese and English