

ANZU HAKONE

Full-stack software engineer who values software usability, efficiency, maintainability, and documentation, with a special interest in developing client-facing healthcare applications.

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EMPLOYMENT

Broad Institute of MIT and Harvard, Cambridge, MA

Associate Software Engineer: July 2017 - Present

- Integrate frontend website to backend participant information database as the primary full-stack developer for the Rare Genomes Project Direct-to-patient Data Donation Platform.
- Work closely researchers, study staff, and stakeholders to implement features for secure, stable, and efficient workflows.

Visual Analytics Lab at Tufts University, Medford, MA

Research Assistant: January 2015 - May 2017

- Designed medical risk communication tool to facilitate patient comprehension and visualization of risks associated with medical interventions.
- Programmed modifications to streamline UX/UI with tool.

TÜV Rheinland, Yokohama, Japan

Intern, Free Agent: July 2014 - July 2016

- Developed and implemented new Excel-based VBA code for quick test report generator.
- Validated invoices for photovoltaic power plant project.
- Drafted monthly Technical Advisors Certificates for approval of project loan requests.

EDUCATION

Tufts University, Medford, MA

MS Computer Science: September 2015 - May 2017

- ACM-W Tufts Chapter (Chair), Computer Science League of Learning - CS Department Graduate Student Organization (Master's Representative).
- Teaching Assistant in COMP 150 Visualization Fall 2015, Teaching Assistant in COMP 86 OOP for GUI Fall 2016.

Tufts University, Medford, MA

BS Computer Science, Psychology: September 2011 - May 2015

- Active Minds (President, Secretary, Treasurer, Research Coordinator), Equestrian Team (Social Chair), Tufts Humanist group, Concert Choir.

PROGRAMMING

Java, JavaScript (jQuery, D3, Bootstrap), C++, Angular, HTML, CSS, Python, OpenGL, C, Scala, Bash, R, VBA

TOOLS

Git, Google Cloud Platform, JIRA, DatStat, Webdriver, SPSS, RStudio, Pixelmator, Blender

PROJECTS

- Developed the direct-to-patient data donation infrastructure for the Rare Genomes Project.
- Devised and tested personalized risk communication tool for prostate cancer patients.
- Implemented deferred shading renderer using geometry buffers and GLSL.

PUBLICATION

PROACT: Iterative Design of a Patient-Centered Visualization for Effective Prostate Cancer Health Risk Communication

IEEE Transactions on Visualization and Computer Graphics: October 2016

A. Hakone, L. Harrison, A. Ottley, N. Winters, C. Gutheil, P. K. Han, R. Chang.

LANGUAGES

Native English & native Japanese