GRACE Y. DO

SOFTWARE DEVELOPER

(480) 242-4067 • grace.y.do@gmail.com • @do_grace
gracedo.com • github.com/gracedo • linkedin.com/in/gracedo

EDUCATION

Stanford University, Stanford CA (2009-2013)
Bachelor of Science, Biological Sciences with Honors
Harvard University Graduate School of Arts and Sciences, Cambridge MA (2013)
Ph.D. Candidate, Biological and Biomedical Sciences; Left to pursue software engineering
Awarded the NSF (National Science Foundation) graduate research fellowship
Corona del Sol high school, Tempe AZ (2005-2009)
Valedictorian (1 of 654)

SKILLS

Web Development && Programming | Ruby, Rails, JavaScript, Backbone.js, jQuery, SQL, Git, CSS3, HTML5, Python, R, C++, Java
Design | Digital photography & editing, Photoshop, Lightroom

PROJECTS

Closet++ { link || github }
Mockup of a clothing subscription web-app for guys
Built with Ruby on Rails and Backbone.js; Custom animations using jQuery (measurement sliders)
Features ability to set measurement/style preferences and purchase items from an inventory

Trellojello { link || github }
Single-page web-app clone of Trello (task tracker/organization app)
Built with Ruby on Rails and Backbone.js; jQuery for custom animations (drag/drop capability)
Features boards (with members), lists and cards with creation/deletion/edit/re-ordering functionality

Pathfinder { github }
Implements Dijkstra's algorithm (optimal search path) and Kruskal's algorithm (minimal spanning tree) to draw a graph between two locations using recursive strategies
Written in C++ and extensively uses ADTs such as graphs and priority queues

Asteroids { link || github }
In-browser Asteroids game, built with JavaScript

PROFESSIONAL EXPERIENCE

Upstart, Quality Assurance Manager   Palo Alto CA, 03/2013-Present
Managed team of QA testers and corresponded regularly with the engineering team
Suggested new features and organized bug reports into Github issues

Stanford University Medical Center, Student Researcher   Stanford CA, 03/2012-08/2013
Institute for Stem Cell Biology and Regenerative Medicine, Dr. Renee Reijo Pera Laboratory
Profiled epigenetic reprogramming mechanisms during mouse and human embryo development

Stanford University Medical Center, Student Researcher   Stanford CA, 02/2010-12/2011
Falk Cardiovascular Research Institute, Dr. Phillip Yang Laboratory
Developed a novel tissue-engineering construct with nanoparticles and cross-linkage with biomolecules to enhance the survival and engraftment of embryonic stem cells
Manuscript published to *Small*, December 23, 2013 http://www.ncbi.nlm.nih.gov/pubmed/24376186