Andrew Dempsey

978-760-2128 - andrew.dempsey@tufts.edu - http://adempsey.github.io/

Education

Tufts University School of Engineering, Medford, MA
BSCS, expected in 2015

Favorite Courses:

COMP 175: Computer Graphics
COMP 120: Web Engineering
COMP 112: Computer Networks & Protocols

Work Experience

Box Inc.
iOS Engineering Intern (June 2014 – August 2014)

Implemented several new user-facing features and bug fixes in the Box app to be available in version 3.3 mid-August at https://itunes.apple.com/us/app/box-for-iphone-and-ipad/id290853822?mt=8

Tufts University Department of Computer Science
Web Programming Teaching Assistant (January 2014 – May 2014)

Instructed students and graded assignments in subjects primarily related to front-end development in CSS and JavaScript, back-end development in Node.JS, and source control management in git. Examples of course projects can be found at https://github.com/adempsey/comp20-adempsey

IBM Corp.
Connections Automation & API Engineering Intern (May 2013 – August 2013)

Worked on a team of three interns to develop *Sanity*, a Python-based application that detects and diagnoses issues with IBM's *Connections* across entire enterprise deployments. Now in use by both internal IBM employees and IBM customers. See http://ibmconnections.com/news/ibm-sanity-validation-tool-ibm-connections-4-5/ for more information.

Projects

Lahey Hospital and Medical Center Dept. of Neurosurgery ODQ Assistant
https://github.com/adempsey/ODQ

A Node.JS-based mobile web application created for a local hospital's neurosurgery department. The application helps alert physicians of patients regressing in condition or experiencing pain after surgery through the Oswestry Disability Index and Visual Analog Scale questionnaires.

Edgey: A Post-Process Approach to Cartoon Edge Drawing
http://adempsey.github.io/edgey/
(source code available upon request)

An exploration in edge detection and 3D renderings in C++. The project was built in several phases: creating 3D shape abstractions and cameras, implementing a recursive ray-tracer, and implementing cel-shading and edge detection through several algorithms.

Primary Skills

C, C++, Objective-C, Python, Ruby, JavaScript, Node.JS, CSS
iOS development, web design and development, network programming, git, Agile Scrum