POLLYANNA
(ADDRESS)
Github: https://github.com/rpazyaquian

EDUCATION

Masters of Science (MS), Bioinformatics, ongoing

Bachelor of Science (B.S.), Biomedical Engineering, graduated October 2012

PERSONAL PROJECTS

How are my stocks doing today?
Heroku: http://rpazyaquian.herokuapp.com/stocks
Github: https://github.com/rpazyaquian/flask-heroku

- Stock symbol lookup and chart renderer on Heroku.
- Offers tabbed charts, search bar, and a set of technical indicators.
- Made in Flask, with charting supplied by Bokeh.

WORK EXPERIENCE

Summer Intern, May 2011 – August 2011

- Performed μCT scanning and post-scanning image analysis of CT sections.
- Executed non-destructive qualitative analysis of small animal bones for use in transgenic and knock-out mouse studies.
- Wrote semi-automated MATLAB script to aid with quantification of osteoclasts in histological slides.
- Created 16-bit color scheme with OsiriX to differentiate between low density bone, high density bone, and soft tissue, for use in any set of DICOM files.

ACADEMIC PROJECTS

Major Qualifying Project: Re-design of Skin Graft Culturing Device, August 2011 – May 2012
Development of Cell Image Analysis System

- Redesigned a research skin graft culturing device with the objective of improving the assembly/disassembly features and to maximize ease-of-use and time-efficiency.
- Reduced disassembly time of culturing device by over 400%.
- Developed a cell image analysis system for skin graft immunohistochemical sections using MATLAB and CellProfiler software.

TECHNICAL SKILLS

- Software and Programming: Python, Django, Flask, HTML, CSS, jQuery.
- Foreign Languages: Spanish (native fluency)