Jack Christiansen

95 Jennifer Lane, Burlington, NJ 08016, (609) 234-3648, christj6@tcnj.edu, https://github.com/christj6

Education

The College of New Jersey, Bachelor of Science in Computer Science, May 2015

- Interactive Multimedia minor
- 3.8 GPA
- Dean's list Fall 2011 - 2013
- TCNJ Merit Scholarship recipient
- Member of Upsilon Pi Epsilon

Projects

AVTV (Ruby) – March 2014

- Web scraper developed in conjunction with another student
- Retrieves and stores a television show's grades from AV Club, outputs them to a graph
- Uses Nokogiri and Mechanize for parsing, Haml and Chart.js for html generation

MAPS (Javascript) – November 2013

- Visualizes development costs of Trenton brownfields via Google Maps API
- Collaborative project for a software engineering project

Matrix determinant finder (Java) – May 2013

- Finds determinants using cofactor expansion and row-reduction
- Designed to solidify my understanding of linear algebra concepts

Voice keyboard (Processing) – October 2011

- Performs polyphonic playback of Gsnap-manipulated audio files of a human voice

Web-based Experience

Intramural Webmaster, The College of New Jersey, Ewing, NJ, August 2012 – present

- Update team rosters (created Ruby tool to generate html from Excel files)
- Upload photos (created another Ruby tool to resize batches of photos, conserve bandwidth)
- Drop-down menus and photo galleries implemented with Javascript.

Open Source Development

Chrome Audio EQ – April 2014

- Google Chrome extension to equalize html5 audio
- Added capability for user to save EQ presets

Technologies

Java, C++, Ruby, HTML, CSS, JavaScript, Haskell, MATLAB, Mathematica