

Tyler Harrold

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Education

- BS in Computer Science, University of Rhode Island. Coursework complete 08/18
 - GPA - 3.93

Experience

New England College of Business - Transcript Coordinator

April 2011 - December 2015

- Developed and maintained a custom Access database for tracking student petition information and commencement ceremony data
- Evaluated prior college transcripts for all incoming students to determine potential transfer credit and construct degree maps
- Assisted the Registrar and Associate Registrar with the day to day tasks of the Office of the Registrar including (but not limited to): scheduling courses, processing change of information forms, deferment requests, assisting with the weekly course absence report, running various reports in CampusVue, SSCR reporting
- Oversaw recordkeeping for graduation in conjunction with seat on Commencement Committee. Responsibilities included organizing and collecting petitions to graduate, conducting degree evaluations to ensure graduation requirements had been met, and maintaining the database for all students attending commencement

Skills

- Substantial work with Object Oriented programming/design, primarily in Java
- Substantial work with Python for both algorithm implementation and language compilation/interpretation
- Experience with HTML/CSS/Javascript as well as PHP/MySQL back end
- Experience with unit testing in Java using JUnit and Mockito
- Experience working with database design using Visual Basic for Applications and SQL

Projects

- Capstone project focused on training a neural network to learn the parametric t-SNE dimensionality reduction technique and apply it to astronomical data (eBOSS), using a genetic algorithm in attempt to breed better performing versions of said network
- *Petition to Graduate Database* - custom database for recording data relevant to annual commencement ceremony, including a custom front-end, and querying and reporting tailored to various departmental needs
- Worked with small team on a semester-long game development project using the libGDX library for Java
- Built a mock streaming TV application with a focus on backend development, specifically using the php framework Silex and a mySQL database

Misc

- Teaching Assistant for CSC211 - Object Oriented Programming, and CSC105 - Puzzles and Games
- Experience with development in both Windows and Ubuntu Linux