

DONGJIN (JILL) XU

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EDUCATION

NORTHEASTERN UNIVERSITY, Seattle, WA

Aug 2018 – May 2020

Master of Science in Computer Science (Merit Scholarship)

- Coursework: Intensive Foundation of CS (Python); Discrete and Data Structure; OOD; Algorithms; Computer Systems

BOSTON COLLEGE, Boston, MA

Aug 2013 – May 2017

Bachelor of Arts in Philosophy and Political Science

- Major GPA: 3.66; Coursework: Logic; Introduction to CS (Python); Computers in Management; Calculus
- Leadership: Treasurer at Philosophical Society Club; Media Chair at Martial Arts Club

CATHOLIC UNIVERSITY, EICHSTÄTT-INGOLSTADT, Bayern, Germany

Feb 2016 – Jul 2016

- Exchange Semester

APP ACADEMY (Coding Bootcamp), New York, NY

Jan 2018 – Apr 2018

- Immersive software development course with focus on full stack web development, TDD, algorithms, and programming best practices

PROJECTS

TheRule - A Single-Page App using Ruby on Rails, React-Redux, PostgreSQL and JavaScript to share Do-It-Yourself projects inspired by Instructables

[LIVE](#) | [GITHUB](#)

- Manipulated Cloud Computing technology by using Paperclip gem to upload images and videos to AWS S3 cloud storage bucket to make web-scale computing easier
- Customized multiple table querying by reducing queries to the database through the combination of ActiveRecord associations, JBuilder, and React-Redux state shape
- Implemented a custom ActiveRecord search by querying the user input in the backend controller
- Utilized a React RESTful architecture with a Redux framework to provide information on demand without load time for reliable DOM rendering

Hop-hop - A JavaScript jumping game using Canvas inspired by Doodle Jump

[LIVE](#) | [GITHUB](#)

- Used HTML5 Canvas to create an interactive and intuitive game control, smooth animation and artistic sound effect
- Manipulated JavaScript to simulate gravity with velocity and created axis-aligned bouncing platform collision detection for character controls

FreeDOM - A Lightweight JavaScript DOM Manipulation Library

[LIVE](#) | [GITHUB](#)

- Held DOM nodes and offer convenient methods for traversal and manipulation
- Handled events with callbacks using on and off methods and made AJAX requests
- TodoList is a simple app built using FreeDOM to demonstrate its functionality

Adaptive Diagnostic Assessment – A JavaScript Interactive Math Assessment

[LIVE](#) | [GITHUB](#)

- Manipulated JavaScript to calibrate users' performance interactively so that users' responses decide the next step

EXPERIENCES

EDUCATION TECHNOLOGY FELLOW, CURRICULUM ASSOCIATES, Billerica, MA

Jun 2017 – Dec 2017

- Assisted in the redesign of an assessment software feature by communicating with engineers, designers, and project managers to increase teacher engagement and reduce frictions associated with account transfer
- Onboarded new and existing data into the assessment software for over 200 accounts by manipulating Excel formulas and automated provisioning, troubleshoot errors by analyzing data to ensure accounts' successful set-up

SKILLS & INTERESTS

- **Languages and Frameworks:** Python, Java, SQL, Ruby on Rails, HTML/CSS, JavaScript
- **Software and others:** AWS, MySQL, PostgreSQL, Rspec, JQuery, React.js, Redux, Node.js, Git
- **Research:** Survey design, Field Observing, Personas
- **Interests:** Martial Arts, Skiing, Photography, Outward bound