

# Edmond Wu

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## EDUCATION

**Bachelor of Science in Computer Science**  
**Rutgers, The State University of New Jersey**  
School of Arts and Sciences Honors Program

**Expected Graduation:** May 2017

**Cumulative GPA: 3.793/4.0**

Dean's List, Major GPA: 3.79

## SKILLS

- **Programming Languages:** Fluent in Java, HTML/CSS, and JavaScript; Familiar with Python and C; Exposed to jQuery and SQL.
- **Frameworks/Software/OS:** Experience with Linux and terminal, Eclipse Java IDE, Unity3D Game Engine, MySQL and MongoDB databases, and Ruby On Rails.
- Have knowledge and understanding of data structures, algorithms, object-oriented programming, databases, and web design.
- Fluency in both English and Mandarin Chinese and strong public speaking/presentational skills

## WORK EXPERIENCE

**Rutgers University: Part-time Lecturer/Teaching Assistant**

**January 2015 – Present**

- Taught students in course recitations how to design webpages in HTML/CSS and write JavaScript programs. Presented lessons in HTML/CSS, JavaScript, and Microsoft Excel, as well as hosted computer lab and office hours for extra help.

**National Dong Hwa University: CSIE Department Intern**

**June 2015 – August 2015**

- Did research with department faculty on the Unity3D game engine and developed several games with it using C# scripts that were later presented at a research conference, and saved to serve as a basis for the development of future games.
- Taught conversational English skills to department members, enabling them to hold basic conversations without assistance.

## PROJECTS

**Redditer**

**November 2015 – December 2015**

- Web application made with Ruby On Rails and hosted with Amazon Web Services on a MySQL database that works off of the popular site Reddit and attempts to match users based on subscribed subreddits.
- Uses relational database concepts and utilizes a matching algorithm for users to potentially meet new friends.

**Unity Tower Defense**

**July 2015 – August 2015**

- Basic tower defense web game created with the Unity3D game engine and C# scripts, where users can click on terrain blocks to spawn towers on them to defeat mob waves.
- Presented at a Taiwan research conference at the end of the Dong Hwa University internship to showcase the Unity3D engine.

**Insightweets**

**March 2015**

- Web application using IBM Bluemix's personality sentiments algorithm Watson that analyzes tweets containing a certain keyword gathered using the Twitter API from users in a specific region, determining common personality traits of those who tweet about that keyword in that region.
- Won best IBM group hack at HackNY Spring 2015.

**Photo Album**

**April 2015**

- JavaFX application made with the Eclipse IDE, that works as a photo album. Users can create albums, fill albums with photos, and add tags and/or captions to photos. Users also have an option to enable their albums for public display, allowing other users to view them and like their photos.
- A full-fledged CRUD application with an MVC structure. Also incorporates FXML and CSS to give the application aesthetic.

**Chess**

**February 2015 – March 2015**

- Java application made in the Eclipse IDE that simulates a 2-player chess game in the terminal, with full implementation including checkmate, stalemate, resigning, and draws.
- Utilizes object-oriented programming principles like inheritance and polymorphism through pieces to improve design.

**15 Puzzle**

**July 2014**

- Python game made with CodeSkulptor (Python in-browser IDE) that resembles the classic 15 Puzzle Game; user can slide tiles around as well as input character move strings.
- Features a built-in solving algorithm that optimizes itself by removing redundant moves from the solution move string.

## EXTRACURRICULARS

**Tzu-Chi USA Foundation – Rutgers Chapter: Vice-President**

**September 2014 – Present**

- Cultural organization with a main focus on community service

**Rutgers Sinfonia: Violist**

**September 2013 – Present**

- School symphony orchestra that performs standard concert repertoire

**Verse One Dance Team: Performer**

**September 2014 – December 2015**

- School community hip-hop dance team