

# 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  
Dean's List, **Cumulative GPA: 3.793/4.0**  
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
- Fluent in both English and Mandarin Chinese, as well as possessing strong public speaking and 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 hosting computer lab and office hours for help

**National Dong Hwa University CSIE Intern**

**June 2015 – August 2015**

- Did research with department faculty on the Unity3D game engine
- Developed several games made with C# scripts that were later presented at a research conference
- Taught conversational English skills to department members

## PROJECTS

**Redditer**

**November 2015 – December 2015**

- Web application made with Ruby On Rails and hosted with Amazon Web Services on a MySQL database
- Works off of the popular site Reddit and attempts to match users based on subscribed subreddits
- Users create an account then create a list of the subreddits they are subscribed to, and matched users can chat each other

**Unity Tower Defense**

**July 2015 – August 2015**

- Web game application created with the Unity3D game engine and C# scripts
- A basic tower defense game where users can click on terrain blocks to spawn towers on them to defeat mob waves
- Presented at the Taiwan research conference at the end of the Dong Hwa University internship

**Insightweets**

**March 2015**

- Web application using IBM Bluemix's personality sentiments algorithm Watson
- 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

**Twitch Plays Hangman**

**April 2015**

- Twitch Plays application made using Twitch, FFsplit, Python, and CodeHS/JavaScript
- Enables Twitch chat users in channel to play a Hangman game, determining the guessed letters via democracy
- HackRU Spring 2015 group hack

**Chess**

**February 2015 – March 2015**

- Java application made in the Eclipse IDE that simulates a 2-player chess game in the terminal
- Full implementation with checkmate, stalemate, resigning, and draws
- Utilizes object-oriented-programming features like inheritance and polymorphism through pieces

**15 Puzzle**

**July 2014**

- Python application made with CodeSkulptor (Python in-browser IDE)
- Game that resembles the classic 15 Puzzle; user can slide tiles around as well as input character move strings
- Features a built-in solving algorithm

## 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 performing symphony orchestra

**Verse One Dance Team:** Performer

**September 2014 – December 2015**

- School community hip-hop dance team