

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.

Twitch Plays Hangman

April 2015

- Twitch Plays application made using Twitch, FFsplit, Python, and CodeHS/JavaScript that enables Twitch chat users in channel to play a Hangman game, determining the guessed letters via voting in the channel's chat.
- HackRU Spring 2015 group hack, also serves as a foundation for future projects involving Twitch chat.

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