

Edmond Wu

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EDUCATION

Bachelor of Science in Computer Science
Rutgers University – New Brunswick, SAS Honors Program

Expected Graduation: May 2017
Cumulative GPA: 3.824/4.0 (Dean's List)

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

March 2016 – April 2016

- JavaFX photo album application made with the Eclipse IDE. 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 (create-read-update-delete) application with an MVC (model-view-controller) structure. Also incorporates FXML and CSS to give the application visual aesthetic.

Chess

February 2016 – March 2016

- 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.

Android Books

April 2016 – May 2016

- Java Android book database mobile application made for Android 6. Books, along with chapters and other relevant information, are stored in an online Firebase NoSQL database, and users can access those books and subscribe to them for new updates.
- CRUD mobile application utilizing NoSQL data storage and basic Android design principles.

EXTRACURRICULARS

Tzu-Chi Collegiate Association – Rutgers: President

September 2014 – Present

- Cultural organization with a main focus on community service and promoting environmental awareness.

Rutgers Sinfonia: Violist

September 2013 – Present

- School symphony orchestra that performs standard concert repertoire, often featuring soloists.

Verse One Dance Team: Performer

September 2014 – December 2015

- School community hip-hop dance team that performs at various campus events.