Edmond Wu

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EDUCATION

Bachelor of Science in Computer Science   **Expected Graduation:** May 2017
Rutgers University – New Brunswick, SAS Honors Program   **Cumulative GPA:** 3.824/4.0 (Dean's List)

SKILLS

- **Programming Languages:** Proficient in Java, HTML/CSS, and JavaScript; familiar with Python, C, and C# (Unity scripts).
- **Frameworks/Software:** Experience with JavaScript frameworks like AngularJS and jQuery, Linux systems like Ubuntu and Redhat Enterprise, Unity3D Game Engine, SQL and no-SQL databases (MySQL and MongoDB), web frameworks like Ruby On Rails and NodeJS, integrated development environments like Eclipse and IntelliJ.
- Knowledge and understanding of data structures, algorithms, object-oriented programming, databases, and web design.

WORK EXPERIENCE

Harris Corporation: Software Engineering Intern   **May 2016 – July 2016**
- Helped develop a full stack web application using a NodeJS/Express framework allowing project managers to log their projects and record their savings and productivity, as well as generating PDF reports of those projects for record-keeping purposes.
- Primarily contributed to project's front-end design, using AngularJS and Foundation CSS frameworks and ensuring smooth integration with the NodeJS/Express back-end.
- Application designed to be used to generate significant savings by combining the savings of individual projects into combined reports; smaller savings that would normally be ignored by senior managers could be merged with the savings of other reports to produce a more significant number.

Rutgers University: Part-time Lecturer/Teaching Assistant   **January 2015 – Present**
- Taught students in course recitations of up to 25 students per section how to design webpages in HTML/CSS and write JavaScript programs. Presented lessons in HTML/CSS, JavaScript, and Microsoft Excel.
- Hosted computer lab and office hours for extra help, graded assessments, and helped proctor exams.

Dong Hwa University: Computer Science & Info Engineering Intern   **June 2015 – August 2015**
- Performed research with department faculty on the Unity3D game engine and developed several games with it using self-written C# scripts. Examples include a space shooter arcade and a tower defense game.
- Created games were 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

Android Books   **April 2016 – May 2016**
- Java Android CRUD application made for Android 6 designed to be a mobile platform for translated books. Books, along with their chapters and other relevant information, are stored in an online Firebase NoSQL database which is accessed through the app.
- Users can access/read those books and subscribe to them for new chapter updates, as well as keep personal ratings of books they have read.

Photo Album   **March 2016 – April 2016**
- JavaFX photo album CRUD application made with the Eclipse IDE, using an MVC (model-view-controller) structure. 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.

Chess   **February 2016 – March 2016**
- Java application developed 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.

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 a matching algorithm for users to potentially meet new friends.

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

EXTRACURRICULARS

Tzu-Chi Collegiate Association – Rutgers Chapter: President   **September 2014 – Present**
- Cultural, charitable organization with a main focus on community service and promoting environmental awareness.
- Responsible for planning chapter events as well as directing the chapter's e-board.