

Rudolf Newman

5203 Brown St. Skokie IL 60077 | 847-924-0894

ruznewman@gmail.com | rznewman.github.io

PROFILE

Team-oriented experience with web applications and 3D game engines

Experience with client-driven project development with agile methods

Programming languages include:

C#	C++	Python
Javascript	Java	Lisp

Unity, scripting

Cordova, Web-based mobile programming

EDUCATION

Northwestern University, McCormick School of Engineering, Evanston IL

- Major: Computer Science, GPA 3.5
- Graduated: June 2017
- **Segal Design Certificate**

DEVELOPMENT PROJECTS

Innovation Journalism and Technology, Northwestern University, Spring 2016

- Developed a web application to parse news articles creating images with quotes
- Improved a sentence parser to be more accurate and generalized
- Python, Flask, Javascript

Game Development Studio, Northwestern University, Winter-Spring 2017

- Designed a sandbox fighting game and platformer with two complete characters
- Developed state machine for player physics and buffered inputs for forgiving controls
- Unity, C#

Natural Language Processing, Northwestern University, Winter 2017

- Designed a word cloud parser to answer queries based on word occurrences to guess award winners at >80% accuracy
- Python

OTHER EXPERIENCE

Eagle Scout

- Designed and built 13 natural barricades for the Emily Oaks Nature Center that are still in use

Admin Clerk, Northwestern University Residential Services, Jan 2014 – Aug 2017

- Aided upwards of 60 recipients daily with tracking and receiving packages
- Logged hundreds of packages each day into the mail system

RELEVANT COURSEWORK

- | | |
|-------------------------------------|------------------------------|
| • Software Project Management | • Human-Computer Interaction |
| • Knowledge Representation in Games | • Industrial Design Projects |