

# Rudolf Newman

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## Education

### Northwestern University, Evanston IL

- Graduated: June 2017
- Major: *Computer Science*
- **Segal Design Certificate**
- Courses:
  - EECS 370, 337, 361, 394 (Software Project Management)
  - EECS 395, (Game Development Studio, Knowledge Representation in Games)
  - DSGN 380 I&II

### Niles West High School, Skokie IL

- Graduated: May 2013

## Projects

### Innovation Journalism and Technology, Northwestern University, Spring 2016

- Developed a web application to parse webpages for images and quotes
- Improved a sentence parser to be more accurate and generalized

### Game Development Studio, Northwestern University, Winter-Spring 2017

- Designed a sandbox fighting game and platformer
- Developed state machine for player physics and buffered inputs

### Natural Language Processing, Northwestern University, Winter 2017

- Designed word cloud parser to answer queries based on word occurrences
- Developed a program to take tweet text from a file and tokenize it

## Honors

- ISU High School Science Symposium 2<sup>nd</sup> Place - Computer science - 2012
- IJAS Region 6 gold medal – Mathematics – 2013

## Experience

### Eagle Scout

### Northwestern University Residential Services

- Mail room clerk, January 2014 – current
  - Aided recipients in receiving packages
  - Logged packages into the mail system

## Skills

- Programming languages (Java, Lisp, C#, C++, Python, Javascript)
- Unity, scripting
- Cordova, Web-based mobile programming
- 3D Modeling (Nx, Solidworks)

## Activities

- Alice Millar Chapel Choir
- ICONIC raiding guild