

Jemmin Chang

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<http://jemm.in>

EDUCATION

Carnegie Mellon University **Pittsburgh, PA**
B.S. in Computer Science and Linguistics May 2017
GPA: 3.94
National Eagle Scout Association Cooke Scholarship 2013

EXPERIENCE

Knewton **New York, NY**
Software Engineering Intern, Platform Team Summer 2015

- Analyzed undocumented legacy code and ported login/register widget to modern framework
- Implemented personally identifiable information filters for data submitted to Knewton API
- Identified root causes of urgent partner-impacting bugs; engineered and tested robust solutions

Carnegie Mellon University **Pittsburgh, PA**
Peer Tutor, Office of Academic Development Spring 2014 – Present

- CRLA certified Level II Advanced Tutor, 150+ hours tutoring CS, mathematics courses

PROJECTS

Text-based question asking and answering system github.com/jchang504/11411-project
Project Lead Spring 2015

- Designed and built a system to ask and answer intelligent questions about Wikipedia articles
- Employed information retrieval, syntactic analysis and manipulation techniques on English text
- Utilized Stanford parser, named entity recognizer; NLTK tokenizer; WordNet ontology and lemmatizer
- Won 3rd place in question asking competition among 17 teams in NLP class

Automatic song lyrics generation github.com/jchang504/tailor
Lead Developer July 2015 – Present

- Designed N-gram-based language model for original lyrics generation from learned model
- Implemented Python tool to generate highly configurable lyrics from input artists or songs
- Successfully generated more interesting versions of several Taylor Swift songs

The world's best Letterpress AI github.com/jchang504/lettercrush
Creator and Developer Summer 2014

- Designed AI algorithms with alpha-beta pruning, iterative deepening, and ternary search tries
- Built JavaScript web application with interactive GUI and intelligent timeout controls

SKILLS

Computer Languages: • Java • Python • JavaScript • C • SML • bash • HTML/CSS • LaTeX
Human Languages: *Native*: • English | *Elementary*: • Mandarin Chinese • Italian • Am. Sign Language
Software/Libraries: • Git • JQuery • IntelliJ • Maven • Gerrit

PERSONAL

NAfME All-Eastern Honors Orchestra 2013
Eagle Scout with Bronze and Gold palms 2012
Hobbies: Viola, classical music, tennis, ping pong, Scrabble, cooking