

Annita Kuo

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EDUCATION

University of California, Los Angeles | B.A. Linguistics & Computer Science June 2017

- Won \$15k Internet Research Incubator Prize for research project titled "Real-Time Visual Feedback for Language Learning."
- Research Project: Developed a language learning web application in Ruby on Rails which uses speech acoustics analysis to provide users with real-time visual feedback in order to help learners sound more native-like in their target language.

Linguistics Society of America Summer Institute | University of Chicago July 2015

- Coursework: Computational Lexical Semantics, Computational Linguistics, Speech Recognition, Machine Learning.
- Research Project: Developed Python program to analyze tweets for user sentiment on controversial recent events.

Long Beach City College | Certificate of Achievement - Foreign Languages June 2014

- Honors: Commencement Marshal, The Honorary Order of Kassai, Alpha Gamma Sigma, Honors Program
- Language concentrations: French and Mandarin Chinese

SKILLS

Programming Languages & Technical Skills

- Programming Languages: Python, C++, C, Java, OCaml, R, LaTeX, HTML, Flask, Ruby on Rails.
- Other: PostgreSQL, SQL, Linux, Unix Shell, Emacs, Git, Jupyter, Microsoft Visual Studio, XCode.

Natural Language Processing Skills

- Open source tools including NLTK, Spacy, Pandas, Scikit-Learn, Stanford CoreNLP, Penn Treebank, COCA, and RegEx.
- Sentiment Analysis, Topic Identification, Search, Grammar Check, Acoustic and Speech Analysis, IoT

WORK EXPERIENCE

NLP Engineer | EmployeeChannel Inc. May 2017 - December 2019

- Developed Python Flask application to serve as a natural language processing microservice running on GCP.
- Developed PostgreSQL database and text processing pipeline for real-time and batch data processing.
- Responsible for researching and developing proof-of-concepts for new NLP product features.
- Built a custom domain-specific sentiment analysis model using a SVM-based machine learning approach with Scikit-learn and data collected from Amazon Mechanical Turk.
- Worked with research and engineering teams to integrate search algorithm for use on mobile and web applications.
- Worked with key stakeholders to create a writing coach tool for internal communications clients.

Data Intern | Comparably February 2017 - May 2017

- Managed data annotation project on employee salaries and company culture.
- Developed a Python web scraper to collect image data.
- Worked in a small agile team to quickly develop a new product in a startup environment.

Senior Lab Consultant | UCLA - Center for Digital Humanities October 2014 - June 2017

- Project manager on website content migration projects for multiple university departments.
- Worked with humanities faculty on data cleaning for art database and text OCR projects.
- Managed a computer lab with 50 MacBook computers running OS X and Windows.
- Assisted humanities faculty and students with instructional technology, software, and printers.
- Administered language placement exams using online learning platforms.

Management Intern & STEM Mentor | Mathobotix March 2013 - July 2014

- Taught LEGO robotics, Python programming, Raspberry Pi, Linux, and project management fundamentals to K-12 students.
- Managed branch office and reported on weekly operations to the company CEO.
- Project lead for Upper Bound summer class at CSULB that introduced high school students from underrepresented communities to higher education and robotics engineering.