

Xingfan Xia

300 N College Street, Northfield, Minnesota 55057
xiox@carleton.edu • +1 (507) 403-1689 • <http://xiox.ai>

EDUCATION

Carleton College, Northfield, Minnesota

- B.A. in Computer Science Mar 2017
 - Related Course Works: Human-centered Computing, Operating Systems, Database Systems, Computer Graphics, Software Design, Programming Languages, Computability and Complexity, Coding Theory, Computer Sound and Music

WORK EXPERIENCE

Vevo LLC, San Francisco, CA

- Software Engineer Intern Jun 2017 – Sep 2017
(Data & Machine Learning Team)
 - Designed and implemented an Q&A chatbot using AWS Lambda, Python and AWS Lex. Deployed the chatbot on Facebook Messenger and Slack.
 - Built a multi-seed recommendation engine. Deployed as an API service, a Web App, and a tvOS App as POC demos.
 - Analyzed visuals of music videos, generated playlists based on similar visual elements grouped by LDA topic modeling.
 - Deployed a Jupyterhub system on an AWS P2 instance to facilitate team's research and exploratory works related to machine learning and deep learning. Typically made model training 6 times faster.

Stoooges Education Consulting, Hangzhou, China

- Web Developer Intern Jul 2016 – Sep 2016
 - Prototyped an educational Wiki with CTO with open-sourced WordPress framework.
 - Developed Python web crawlers to scrape information for the Wiki.
 - Extracted data from company archives files for better archive management.

Carleton College, Northfield, MN

- Academic Technology Engineer Nov 2016 – Present
 - Developed Python web crawlers to scrape course information from Carleton's learning management system.
 - Implemented a rendering engine to convert scraped data as PDF documents to provide convenient access for faculty.

LANGUAGES

- English: Bilingual Proficiency.
- Chinese(Mandarin): Native Proficiency.
- Japanese: Intermediate (reading); basic (speaking, writing).

TECHNICAL SKILLS

- Programming Languages: Proficiency in Python, Java, Javascript, C
- Web Frameworks: LAMP stack, Bootstrap, Spring MVC, Django, Flask, PostgreSQL, MySQL, AWS, RESTful API
- Platforms: tvOS, iOS, macOS, Windows, Ubuntu, CentOS, Amazon Linux AMI
- Machine Learning & Deep Learning: Scikit Learn, OpenGL, Theano, tvOS, DNN, Matplotlib, Scipy, Numpy, Pandas, Keras