

Xueguang (Luke) Lu

Boston, MA | 949-302-7378 | xueguanglu.net

lu.xue@husky.neu.edu | [linkedin.com/in/xueguanglu](https://www.linkedin.com/in/xueguanglu)

EDUCATION

Northeastern University, Boston, MA

Sept. 2016-present

Candidate for a Master of Science in Computer Science, GPA: 3.83

Expected graduation: May 2018

Related Courses: Programming Design Paradigm, AI, Algorithm, NLP

University of California, Irvine, Irvine, CA

Bachelor of Science in Informatics, concentrated on HCI, GPA: 3.67

Sept. 2012 - June 2016

Related Courses: DB Management, UX, HCI, Data Visualization, IR, AI, Discrete mathematics, Information theory

TECHNICAL KNOWLEDGE

Languages	Systems	Dev Ops
Python, C++, Java, JS, Haskell	macOS, Ubuntu 14.04, Windows	Git, Azure, AWS, Alexa, MySQL

INTERN EXPERIENCE

Astronics Test Systems, Irvine, CA

Nov. 2015 - June 2016

Project Manager & Software Engineering Intern

Project Public Poster: bit.ly/astronics-project

- Implemented and deployed a Windows Universal App for **Windows 10 IoT** to collect data from industrial sensors; used Raspberry Pi, Visual Studio, C#; Solving long-lasting maintenance issues.
- Developed a Web Application to visualize and manage sensor data; using jQuery, Bootstrap, D3.
- Implemented a Data Processing workflow on **Azure** (Transact SQL, IoT hub, Stream Analytics, etc.)

Apples and Oranges Studios, Irvine, CA

June – Sept. 2016

Full Stack Web Development Intern

- Developed a Show-Venue Matching Web App with **Django** framework, AngularJS and Bootstrap.
- Machine Learned Decision Trees (sklearn) to implement Content-Based Recommendation.

Institute of Computing Technology, Chinese Academy of Science, Beijing, China

June - Sept. 2015

Undergraduate Research Assistant

- Translated edge detection and image texture similarity algorithm from **Matlab** scripts into C++, decreased running time by 83%.
- Tuned optimal weights for combining image similarity algorithms by repetitive testing.

PROJECTS

Personal Assistant | Conversational Android App Voice-Assistance Module

devpost.com/XueguangLu

- Team Leader, awarded “Best use of IBM Bluemix Platform” at Spartahack 2017.

Machine Learning to Rank Top Universities | Linear Regression + Ranking SVM

bit.ly/universityrank

- Improved accuracy over original model (2nd place at KDD Cup 2016) by 11% .

UCI Canvas Testing | Usability testing for UCI Canvas

bit.ly/usability-report

- Heuristic & Cognitive Walkthrough, Interviewing, User Testing, Usability-Hub, Mouse-Heatmap, etc.

University App Jam | Conversation Assisting Android App

bit.ly/app-jam

- Aim to aid speaking for autism children, Awarded “Best User Experience Award” at University App Jam.

My Website | Personal Portfolio

xueguanglu.net

- One-page web-app using only CSS and JS. Focused on exercising frontend skills and web deployment.