

Robin Luo

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Education

Georgia Institution of Technology - Atlanta, GA

Student of Bachelor Program in Computer Science

Focus on Machine Learning, Deep Learning, Natural Language, Phone Application and Cybersecurity.

Jan 2018 – May 2020 (Expected)

Current GPA: 3.6 | Core Curriculum: 4.0

Michigan State University - East Lansing, MI

Studied in Computer Engineering and Computer Science Bachelor Program

Sept 2016 - Dec 2017

GPA 3.73

Skills

Java | C++ | C | Python | Visual Basic | Golang | Machine Learning | Regression Expression | NLTK | Deep Learning | GitHub | MongoDB | PostgreSQL | MySQL | MATLAB | Photoshop | Flash | Adobe Premiere | Adobe Audition | Adobe After Effect | Mandarin

Experience

Backend Software Engineering Intern

Splunk - San Jose, CA

May 2019 - Aug 2019

- Developed an extensible tool in Python/React.js/Flask/Electron, TensorFlow, and NLTK that extracted the problems from the QA text and put the result back to the original place; engineers can use the screen cut and documents for input two methods to get answer; Estimated to increase response time by 25%
- Developed an extensible tool in Python and PostgreSQL to automatically update the knowledge base after the engineers change the answer; save 35% estimated updating time.

Data Team Developer

Michigan Republican Party - Lansing, MI

Aug 2018 - Sept 2018

- Developed an extensible tool in Python and TensorFlow that predict Twitter user names with the real name; accuracy with 25%.
- Developed an extensive visualization tool in Python that enables engineers to create automated sequences that generate various analysis reports; reduce estimated test time by 45%.

Machine Learning Summer Intern

R2.ai Inc. - San Ramon, CA

June 2018 - Aug 2018

- Worked on machine learning algorithms and built website for internal product in Python and Java
- Developed an extensible visualization tool in Python enabling engineers to create automated sequence test cases to determine resulting plots. Estimated 10% decrease in test time.
- Developed a tool in Python and TensorFlow predicting market stock. Estimated 10% increased accuracy of current predicting tool.

Programmer Analyst Intern

DBAPP Security - Hangzhou, China

May 2017 - July 2017

- Developed an extensible tool in Python and PostgreSQL enabling the engineers to scrawl data from CVE website and input results into SQL server.

Projects

Predict Word of Sentence

Feb 2019 - Present

- Used RNN to predict the word of the sentence, after the regulation and LSTM model, with 48% accuracy.
- Plan to use GAN model to achieve the higher accuracy.

Whole Health (Python | MySQL | Java | Android Studio | Swift)

Mar 2018 - Sep 2018

- Made remote database and stored the data and information we need for the app; used AndroidStudio and Swift to make the app.
- Analyzed the data which we got by Machine learning API; applied Java API to setup the function of the location finding.

Worldwide Attacking & Protection Web Project (HTML5 | Python | MongoDB)

Jan 2018

- Used HTML5 to make Worldwide Attacking and Protection web. Set up the database and scrawled the data from web.

Research

DFT Model Analyze Adsorption Energies (Python)

Jan 2019 - Present

- Used the Python and ASE API to analyze the adsorption energy.
- Used the High performer Computing system and GPAW model to analyze the data of adsorption and improve its accuracy.

VIP Georgia Tech – LoPt Database Team (HTML5 | PHP | MySQL)

Jan 2018 - Dec 2018

- Used MySQL to collect and analyze data to give out a precise result to the project.
- Made website to set up a remote database for the LoPT database team used; Used MySQL to collect and determine user experience.

Undergraduate Research Assistant –Georgia Tech Song Le Lab

Aug 2019 – present

- Visual question answering using GQA algorithm to classify the relationship of different objects in images and give out the answer of the GQA problem.

Awards & Social Activities

- IEEE Student
- Georgia Tech Chinese Christian Fellowship
- Light of Glory Society (The 56th Sub Organization of World Intelligence Network)
- National Utility Patent (201120560457X)

Jan 2019 - Present

Nov 2018 - Present

Oct 2018 - Present

Sept 2012