Junlin Wang

June 2020

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Education

2016 – 2020 Computer Science B.S. / Mathematics B.S., University of California, Irvine,

Irvine, CA.

Cumulative UCI GPA: 3.916

Honors ICS Honors Program

Research Experience

Current Research Assistant, Prof. Sameer Singh,

Mov 2018 - Present .

- Implemented adversarial attacks to a variety of Natural Language Processing models like Named Entity Recognition, Language Models, etc.
- Co-authored a demo paper "AllenNLP Interpret: A Framework for Explaining Predictions of NLP Models" at EMNLP 2019 and won the Best Demo Reward.
- Submitting our work that automatically detect and remove data artifacts to ACL2020

Current Lab Member, Deep Data Lab@UCI, website,

聞 Jul 2018 – Present .

• Analyzed major bank data to determine the likelihood of defaults using statistical analysis and machine learning.

Jul-Seq 2018 Research Assistant, Regan's Group@UCI,

∰ Jul 2018 - Sep 2018 .

 \circ Co-authored and published a paper "Improved Regressions with Convolutional Neural Networks for Surface Enhanced Raman Scattering Sensors" at SPIE Nanoscience + Engineering.

Industry Experience

Jun-Sep 2019 NLP Research Intern, Comcast Applied Al Research Lab.

₩ Jun 2019 – Sep 2019

♀ Washington, DC

- Developed a novel training routine for the translation model used by the Xfinity X1 remote voice control. Found 257 data artifacts in the production data.
- Developed a react data visualization tool for voice command gueries.
- Submitting my work to ICML2020

Jun-Aug 2015 Software Engineer Intern, Crystal McKenzie Inc..

III Jun 2015 – Aug 2015

New York, NY

 Assisted and developed the back-end of a new advertising platform using node.js and MySQL.

Publications

NLP

Nov 2019 **EMNLP, Best Demo Award**, AllenNLP Interpret: A Framework for Explaining Predictions of NLP Models .

Eric Wallace, Jens Tuyls, **Junlin Wang**, Sanjay Subramanian, Matt Gardner, and Sameer Singh.

Link paper | Lnading Page | Demo

Other Publications

Sep 2019 **SPIE Nanoscience + Engineering**, Improved regressions with convolutional neural networks for surface enhanced Raman scattering sensing of metabolite biomarkers.

William John Thrift; Cuong Quoc Nguyen; **Junlin Wang**; Jason Ernest Kahn; Ruijun Dong; Andrew Benjamin Laird; Regina Ragan.

Link paper

Projects

https://isthatyou.github.io/pages/index.html.

Honors and Awards

Nov 2019	Best Demo Award	EMNLP
Apr 2019	Best Visualization	DataFest
Feb 2018	E-SURP fellowship	The Edward Lifesciences Center at UCI
Oct 2017	3rd Place	Microsoft Coding Competition at UCI
May 2017	Best Project and Development Practices	BeachHacks
Apr 2017	1st Place	1st Tippers IOT Hackathon
2018-2020	ICS Honors Program	UCI

Presentations and Talks

Poster Presentations

- Nov 2019 AllenNLP Interpret: A Framework for Explaining Predictions of NLP Models, poster presentation at EMNLP 2019, HK.
- Oct 2018 Automatic Segmentation of CTA Imaging on Coronary Arteries, Heart to Heart Training Club in the Edwards Lifesciences Center for Advanced Cardiovascular Technology, Irvine, CA.

Talk

- Sep 2019 **Feedback Mini-Batching: Automatically Detecting Data Artifacts and Robust Training**, Lab Week Talk at Comcast Applied Al Research Lab, Washington,DC.
- Nov 2018 Interpretations and Adversarial Attacks of DNN Models, Talk at ACM Club Seminar, Irvine, CA.

Involvements and Leadership

2019 - 2020 Vice President

Association for Computing Machinery (ACM) – UCI Chapter

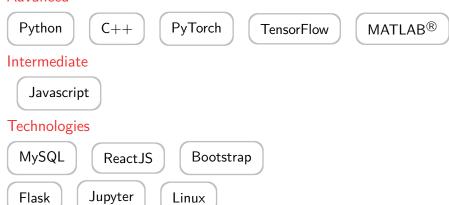
2018 - 2019 Vice President

Artificial Intelligence club – UCI

Skills

Advanced

Flask



Linux