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# Yucheng He

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## Education

**Master of Comp Sci & Eng, Rice University**

**Aug. 2019 – May 2020**

**Bachelor of Arts, Rice University**

**Aug. 2015 – May 2019**

Computer Science | Statistics

*President's Honor Roll | GPA: 3.72*

## Work Experience

**Software Engineer Intern, Pinterest**

**May 2019 – Aug. 2019**

*San Francisco, CA*

- Worked for ML&Signal Platform Team to provide feature and model platform for ML tasks at Pinterest
- Made new real-time features available on Pinterest feature store by integrating RocksDB with Hadoop I/O
- Integrated Apache Spark Dataset to Pinterest feature platform consumer API for offline training and serving
- Developed feature output preview and versioned feature history on Pinterest feature platform UI using Hive

**Software Development Engineer Intern, Amazon**

**May 2018 – Aug. 2018**

*Seattle, WA*

- Worked for Automated Advertising Team to deliver dynamic product ads on social network platforms
- Developed and launched dynamic product ads on Gemini (Yahoo) with one billion daily impressions

**Product Development Intern, Pros Holdings Inc.**

**Jun. 2017 – Aug. 2017**

*Houston, TX*

- Created and deployed Currency Conversion REST Service using Dropwizard, Cassandra and Docker
- Won internal hackathon by building a travel recommendation service using Watson and k-NN algorithm

## Projects

**Bespoke Life Using Deep Learning**

**Nov. 2017**

- Developed an automated travel blog post generator based on the images using Deep Learning (RNN)
- Developed using Tensorflow and Numpy, deployed DL model on AWS and Oracle Cloud

**Flight Destination Recommendation Service**

**Jul. 2017**

- Developed a web app using Flask to recommend travel destinations based on a user's Facebook profile
- Created recommendations based on Facebook friends' check-in destinations using KNN classifier
- Utilized Watson API for sentiment analysis on travel blog posts to rank potential recommendations

## Leadership Experience

**Rice FinTech Scholars**

**Nov. 2017 – Present**

- Perform technical review of disruptive financial technologies
- Explore entrepreneurial opportunities in the intersection between tech and finance

**Event Coordinator, Rice Blockchain**

**Nov. 2015 – Present**

- Plan events on educating students about the technical background of blockchain technology
- Plan roundtable discussion on applying blockchain technology

## Skills

- Technical: Python, Java, Scala, C++, Spark, Hadoop, Hive, Cascading, RocksDB, Cassandra, Docker, Agile
- Language: Chinese, English, German