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# Yucheng He

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## Education

**Master of Computational Science and Engineering, Rice University**

**Jan. 2019 – May 2020**

**Bachelor of Arts, Rice University**

**Aug. 2015 – Dec. 2018**

Computer Science | Statistics

GPA: 3.78

*President's Honor Roll*

## Work Experience

**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 custom audience targeting advertisements on Gemini (Yahoo) with one billion daily impressions

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

**Jun. 2017 – Aug. 2017**

*Houston, TX*

- Created Currency Conversion REST Service using Dropwizard, Cassandra and GoCD
- Worked on a cross-functional team to win PROS internal hackathon by building a travel recommendation service using Watson API and k-NN algorithm

## Projects

**Bespoke Life Using Deep Learning**

**Nov. 2017**

- Developed a web app that asks an image input and automatically generates a travel blog post based on the image using Deep Learning (RNN)
- Trained recurrent neural network decoder on visual-semantic embedding between images and captions using Tensorflow and Numpy
- Deployed DL model and other pipeline services 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 an initial list of recommendations based on Facebook friends' check-in destinations using k-nearest neighbors (k-NN) 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, Docker, Scala, JavaScript, Cassandra, DynamoDB, Agile
- Language: Chinese, English, German