Email: yucheng.he@rice.edu
Tel: (865) 888-0082
6350 Main St, Houston, TX 77005

Yucheng He
Richard

Website: heyucheng.com
GitHub: github.com/richardyc
LinkedIn: linkedin.com/in/yuchenghe

Education

Bachelor of Arts, Rice University   **Aug. 2015 – Dec. 2018**
Computer Science | Statistics | Financial Computation and Modeling   GPA: 3.76
President's Honor Roll

Master of Computational Science and Engineering, Rice University   **Jan. 2019 – May 2020**

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