Ji Wang

Education

Carnegie Mellon University	Pittsburgh, PA
Master of Science in Information Technology	*Aug.2017 ~ Aug.2018*
Nanjing University	Nanjing, China
Bachelor of Engineering in Software Engineering	*Sept.2012 ~ June 2016*

Experience

SAP (China)　　　　　　　　　　　　　　　　　　　　　　　Shanghai, China
Software Engineer, full-time　　　　　　　　　　　　　　　　*Feb.2017 ~ Aug.2017*

- Developed backend of a contract account payable and receivable management SaaS application which migrates from On-premises to SAP HANA *Cloud* platform in *Agile* methodology (Scrum).
- Assisted Quality Assurance in extensive testing, detected and repaired bad code/design with empirical strategy, and from version control history.

Embedded System Laboratory of Software Institute, Nanjing University　　Nanjing, China
Research Assistant, supervised by Prof. Haitao Liu　　　　　　*Jan.2016 ~ June 2016*

- Designed an embedded mini car on Arduino platform which can be monitored by either voice order or *Android* Device via Bluetooth.
- Explored a speech recognition toolkit (CMU Sphinx) in Chinese Mandarin environment.

Selected Projects

Flight Delay Warning System　　　　　　　　　　　　　　*Feb.2018 ~ Mar.2018*

- Developed a simulated system to predict whether a flight will be delayed or not.
- Retrieved the latest available 12-month on-time performance data from Pittsburgh Airport, trained it on a wide variety of models before finally selecting *random forest* based on *cross validation* and confusion metric evaluation.

Online Banking System　　　　　　　　　　　　　　　　　*Dec.2017 ~ Feb.2018*

- Developed a *Java EE* (Spring) web app to manage bank account, deposit a check (using web camera), transfer funds, apply for loan and repay loan in a *Microservice* architecture with *REST*.
- Utilized 128-bit *SSL encryption* and stored generated *hashed* nonce of data like password for security.

UPMC Healthy Living Insurance　　　　　　　　　　　　　*Sept.2017 ~ Oct.2017*

- Developed a simulated system to analyze and evaluate client's lifestyle (e.g. three meals) to provide insurance plan options accordingly, with an accuracy rate of over 90 percent.
- When the meal image is uploaded to Amazon S3, a *lambda function* will be triggered, in which Amazon Rekognition API is called to extract <feature, confidence> label data sets, with a score assignment and evaluation as output.

Skills

Programming languages: Java (proficient), Python, R, C/C++, SQL, HTML (Proficient), CSS, JS
Tools: Git, MS Office (proficient), LaTeX, Docker

Honors & Awards

- Best Practicum Award　　　　　　　　　　　　　　　　　　　　　*2018*
- Outstanding Graduate of Nanjing University　　　　　　　　　　　*2016*
- People's Scholarship　　　　　　　　　　　　　　　　　　　　*2014, 2015*