

RACHEL KIM

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EDUCATION

Carnegie Mellon University

Dec 2019 | *dean's list*

B.S. in Information Systems,

B.A. in Chinese Language

Minors in Humanities Analytics,

Software Engineering

SKILLS

Coding

Python, Java, Ruby, JavaScript,
SQL, HTML5, CSS3

Frameworks

Node.js, Express.js, Ruby on Rails,
AngularJS, Flask, MongoDB,
PostgreSQL, SQLite, Git

Data Analytics

Pandas, Seaborn, NLTK, Scrapy,
D3.js, echarts.js, Tableau

Languages

English, Korean, Mandarin

LEADERSHIP

cmuTV

Treasurer

Asian Students Association

Booth Chair

Asian American Conference

Coordinator

Undergraduate Marketing

Organization (UMO)

Case Competition Team Leader

Consultant

EXPERIENCE

Machine Learning + Market Research Intern

AirVisual, an IQAir company (Beijing, China) | May 2018 – August 2018t

- Increased the accuracy of air pollution prediction models to 95%
- Proposed new architecture pipelines to improve the quality of newly web-scraped data before pushing into the database
- Conducted user research and competitor analysis in the South Korean market for air pollution mobile apps
- *Technologies:* Pandas, Seaborn, NumPy, XGBoost, MongoDB

Full-Stack Developer

JAnalytics (Irvine, CA) | Dec 2017 – present

- Designed and developed a data visualization dashboard that displays performance metrics of patent application data in multi-dimensions
- Created infrastructure to parse millions of constantly updated data
- *Technologies:* Node.js, Express.js, MongoDB, D3.js, echarts.js

Global Technology Summer Analyst

Bank of America (Jersey City, NJ) | June 2017 – Aug 2017

- Led the initial development of converting the automation infrastructure in the Internal Tools department of the Chief Technology Organization
- Designed proof of concepts for this conversion using two different stacks: SOAP protocols and TaniumPy (Python package)
- *Technologies:* Python, BMC Atrium Orchestrator, Tanium, JIRA

Research Assistant

Big Historical Data (Pittsburgh, PA) | Dec 2016 – May 2017

- Worked with Professor Warren on his digital humanities research to find historical trends in the Oxford National Dictionary of Biographies
- Created a data visualization interface to assist in the research
- *Technologies:* Pandas, BeautifulSoup, NLTK, Ruby on Rails

PROJECTS

Yelper Performance Tracker

Data Analytics | November 2017

- Web scraped my Yelp profile to conduct sentiment analysis on my reviews to identify linguistic trends that make a review effective
- *Technologies:* Scrapy, BeautifulSoup

A&M Chess Store

Web Application | Spring 2017

- Designed and developed an e-commerce web application with various user interaction levels: customer, manager, administrator
- *Technologies:* Ruby on Rails, SQLite, Balsamiq