

# RACHEL KIM

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## EDUCATION

### Carnegie Mellon University

Dec 2019 | *exchange at Tsinghua*

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, XML

### Frameworks

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

### Data Analytics

Pandas, NumPy, NLTK, Scrapy, D3.js,  
echarts.js, Hadoop, Tableau

### Other

Adobe (Ps, Ai, Id, Lr, Pr)

### Languages

English, Korean, Mandarin

## PROJECTS

### A&M Store, Web App

Web Developer | Ruby on Rails

Designed and developed an e-commerce site that is accessible by various levels of users

### Hayden Shoes, Web Application

Product Designer | HTML/CSS/JS

Prototyped dashboard to improve administrative systems

### Thin Ice, Game

Game Designer | Python, Pygame

Maze game that backtracks to build randomized levels

## EXPERIENCE

### Full-Stack Developer

JANALYTICS (Irvine, CA) | Dec 2017 - present

- Designed and developed client-requested data visualization dashboard that displays performance metrics of patent applications in the U.S and Korea based on law firm, industry, etc.
- 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

- Architecture & Engineering of Chief Technology Organization
- Used JIRA in a Scrum team focusing on automation tools
- Led the development of a system conversion project
- Designed proof of concepts using SOAP protocols to internally connect BMC Atrium Orchestrator, a IT process automation software, with Tanium, a patching software

### Research Assistant

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

- Worked with Professor Warren to use data-driven methods to create an aggregate comprehension of history
- Developed a Jupyter Notebook using tools such as Pandas, Beautiful Soup, NLTK to work with the corpus data
- Created a data visualization interface to assist in the research

## ACTIVITIES

### Treasurer

cmuTV | April 2016 – August 2017

- Maintained organization's annual budget of \$60,000
- Established contracts with campus organizations

### Booth Chair

Asian Students Association | September 2016 – May 2017

- Designed and constructed two-story structure
- Gained experience in project management and leadership by managing time and budget scope across 80 members

### Consultant | Case Competition Team Leader

Undergraduate Marketing Organization | September 2016 – present

- Consulted for local startup that provides marketing services for businesses; collected data on end-user demographics; used data visualization tools to present data on target consumers
- Led the user experience research team for the AMA Case Competition; developed wireframes of an enhanced eBay