Kevin Yang	Professional Experience			
University of Waterloo	Sept - Dec 2017	<b>Software Engineer - Infrastructure</b> Coursera	Mountain View, California, USA	
GitHub /k-yang Linked in /in/kyang95 (in/kyang95) https://k-yang.github.io/ k46yang@edu.uwaterloo.ca		<ul> <li>Maintained Redshift cluster and development data warehouse</li> <li>Implemented Redshift Spectrum Layer lake, improving concurrency and redu</li> <li>Conducted AWS security audit for corforcing disk encryption, least privilege lege S3 buckets, and user credential b</li> <li>Developed framework for analysts, data gineers to ETL data</li> </ul>	er to use <b>S3</b> as the main data cing disk usage afiguration management; en- e security groups, least privi- pest practices	
Languages ———	Sept - Dec 2016	Software Engineer - Data Seon Memebox	gnam-si, Gyeonggi-do, South Korea	
Python JavaScript		<ul> <li>Developed scalable data pipelines using AWS Kinesis Firehose, S3, EMR, Spark, and Redshift with error logging, monitoring, and alert- ing</li> <li>Integrated third party (SegmentIO) data collection libraries on</li> </ul>		
Scala		client applications with minimal impact on performance and user experience		
HTML+CSS Java		<ul> <li>Developed robust internal data visualization tools using Flask+uWSGI+nGinx as the server stack, Redis and Redshift as the data store, and MaterializeCSS+D3JS as the user interface</li> </ul>		
C#	May 2015 - Apr 2016	<b>Software Engineer - Backend</b> Athos	Redwood City, California, USA	
Android		<ul> <li>Developed RESTful APIs on a Flask+uWSGI+nGinx stack to handle user authentication, user management, and core business features, along with error handling, monitoring, and Slack webhook alerting</li> <li>Wrote deployment scripts for localhost and AWS EC2 with Ansible</li> <li>Configured, deployed, and maintained the continuous integration/continuous deployment Jenkins Server</li> <li>Built a robust data consumer with RabbitMQ to handle gzipped</li> </ul>		
PHP SQL				
C++		<ul> <li>client file uploads</li> <li>Conducted an AWS usage audit, le monthly cloud hosting bill</li> <li>Built an internal CRM tool on a Volt+P</li> </ul>	ading to 20% reduction in	

• Built an internal CRM tool on a Volt+Phalcon+MySQL stack

https://devpost.com/software/gestur

## **Projects**

Jan 2017

Gestur

Built at SpartaHacks 2017

- Developed a web client using Flask+uWSGI+nGinx+WebRTC to integrate live webcam feed with IBM Watson's image classification service
- Used **Docker** to containerize and streamline deployment process
- Generated our own training data using red tape on fingers and colour filtering
- 🏆 Best Use of IBM Bluemix, Best Use of Open Source, 3rd Overall

## Skills ——

Databases	Jan 2
Infrastructure	
Machine Learning	
Distributed Computing	
DevOps	
Networking	Jan 2
Frontend	
Backend	
Redix	
nginx	Feb 2
MySQL	TED .
Django	
Flask	
ReactJS	Oct 2
AWS	

## Projects (Cont'd)

jeer					
Jan 2017	Ramsay https://devpost.com/software/ramsay-nl32ya	Built at DeltaHacks III a			
	<ul> <li>Amazon Alexa app for hands-free cooking advice</li> <li>Built a web scraper with BeautifulSoup+NLTK Python libraries to store thousands of online recipes in MySQL</li> <li>Developed RESTful APIs using Flask+nGinx+uWSGI+MySQL</li> <li>Wrote Alexa nodeJS functions that used those RESTful APIs</li> <li>Used Docker to containerize and streamline deployment process</li> <li>Y Best Use of AWS, Best Use of Web Technologies</li> </ul>				
Jan 2017	Scout failed and the second se	Built at Hack the Valley 2017 m/software/scout-rb3gej			
	<ul> <li>Uses webcam to capture video of users we and performs sentiment analysis on facial exwhen peak emotions are felt</li> <li>Built on Microsoft Azure</li> <li>Front-end with MaterializeCSS+Plotly Flask+uWSGI+nGinx+SQL Server</li> <li>Y Best Use of Microsoft Azure</li> </ul>	pressions to determine			
Feb 2016	minify(Wallstreet) https://devpost.com/software/minify-wallstre	Built at HackTech 2016 eet			
	<ul> <li>Scraped articles from financial we NLP+sentiment analysis for short term store</li> <li>BeautifulSoup to scrape web data, Microsoft tion, Indico for sentiment analysis, Clarifaire</li> <li>Y Best Financial Hack from Quantiacs</li> </ul>	t LUIS for entity extrac-			
Oct 2015	Sage https://devpost.com/software/sage	Built at BostonHacks 2015			
	<ul> <li>Personalized assistant Andorid app</li> <li>Developed RESTful API using Django; lever intent extraction</li> <li>Integration with Yelp, OpenWeather, Wolf ment Analysis</li> <li>Y Best Use of AWS, Top Wolfram Hack</li> </ul>	-			
Sept 2015	<b>FedUp</b> https://devpost.com/software/fedup	Built at Hack the North 2015			
	<ul> <li>Social justice Android app to prevent policy legal advice for victims</li> <li>Records and uploads audio to Dropbox with tamp data</li> <li>Web client built using .NET framework</li> <li>Y Best use of Dropbox API</li> </ul>				
Education					
2013 - 2018	BASc., Electrical Engineering Waterloo, Ontario, Canada Cumulative Average: 94%, #1 in Program	University of Waterloo			