Kai James Chen

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▸ **TECHNICAL SKILLS**

JavaScript (ES6), jQuery, React, Redux, Python, Ruby, Ruby on Rails, SQL, HTML5, CSS3, AWS, XLStat, Git, RSpec, Cypress, Angular, PHP, TypeScript, (some) Keras, DialogFlow

▸ **EXPERIENCE**

Surany Research And Development Aberdeen, MD – *Software Engineer*
August 2018 - Present
- Utilizing machine learning and natural language processing concepts to automatically create an ontology that can be used by a chat bot to assist the software development process.
- Implemented the company's interface in MERN (MongoDB, Express, React, Redux, Node) as well as in Angular with PHP and SQL
- Also implemented basic natural language processing using NLTK and created a specified Chatbot for the company's user interface using Naive Bayes and a 4 layer sequential model for intent classification

App Academy New York, NY – *JumpStart Teaching Assistant*
May 2018 - Present
- Conducting both technical and non-technical interviews as well as mock interviews for prospective students
- Instructor of JumpStart Program teaching beginning programmers Ruby in person as well as help online through the Alpha Curriculum for admitted App Academy students

▸ **EDUCATION**

App Academy New York, NY
January 2018 - April 2018
- 1000-hour full-stack web development course with a <3% acceptance rate
- Curriculum focused on pair-programming, code-style, Test Driven Development, Object Oriented Programming

University of Pennsylvania, *Wharton School* Philadelphia, PA – *B.S. Economics Concentration in Marketing*
August 2013 - May 2017
- Relevant Coursework: Digital Marketing, Product Design, Consumer Behavior, Marketing Research, Pricing Strategies

▸ **PROJECTS**

DB Utility - *This utility came from a need to keep in sync the remote database and the local development database for developers*   Github
- Utilized my-sql-connector with python command line scripts

Safire - *requirements gap analyzer that takes requirements from a contract, runs a gap analysis on the given requirements, and makes suggestions to the user based on what might be missing*   (privatized site)
- Implemented in MongoDB, Express, React/Redux, Node (MERN) as well as Angular, SQL, and PHP
- Utilizes a naive bayes classifier as well as a 4 layer sequential model for classifying requirements in the chat box

Archaic Tome - *Facebook inspired single page app using Rails with React/Redux*   Live Site || Github
- Incorporated methods to avoid N+1 query by utilizing nested attributes and mass update functions
- Leveraged AWS in tandem with Paperclip to host images & allow for users to upload their own images
- Secured user authentication using BCrypt (passwords) and SecureRandom (session tokens) for logins

docToJS - *simple, lightweight DOM Manipulation library*   Live Site || Github
- Improved the original jQuery addClass method to not append classes that are repetitive
- Built a demo snake game called "Get Jobs Snek" using my DOM Manipulation library