John J. Kim

(239) 776-8375 • john.j.kim@vanderbilt.edu • 2301 Vanderbilt Pl, PMB 354194, Nashville, TN 37235 • jkim2019.github.io

Education

Vanderbilt University, Nashville, TN — 2015 – 2019

- Dual Major: Mathematics (Honors), Computer Science
- Overall GPA: **3.71** / 4.00, Mathematics GPA: **3.79** / 4.00, Computer Science GPA: **3.81** / 4.00
- Minors: Financial Economics, Corporate Strategy

Work and Volunteer Experience

AT&T Global Connections and Supply Chain Strategy — May 2018 – August 2018
Summer Analyst

- Analyzed spend data to identify $2M cost-savings opportunity by optimizing purchasing process; presented findings and recommendations to senior leadership.
- Sized opportunity, identified revenue and costs synergies for ~$100M company seeking new markets.
- Investigated susceptibility of key suppliers to PE M&A activity in order to mitigate potential disruptions in supplier-relationships.
- Conducted interviews across supply chain to identify contracting pain points and translate into opportunities for cognitive contract management tool.

Accenture Innovation Garage — August 2017 – April 2018
Team Leader

- Performed in-depth research into the retail industry with a concentration on the apparel segment.
- Prototyped and began development of an ML-driven digital platform to generate revenues for a mid-sized apparel retailer.
- Lead team meetings; managed team workstreams and communication with program sponsors.
- Used Python to scrape data and build product recommendation algorithm using logistic classification.

JMRK Consulting — May 2017 – September 2017
Co-Founder

- Co-founded and led a student-run management consulting group.
- Analyzed market entry strategies, competitor landscapes, and revenue models, and designed slide decks.
- Completed three engagements with an AI startup before terminating due to non-compete obligations.

Vanderbilt University CompSustNet Laboratory — Summer 2017
Research Assistant

- Researched uses of natural language processing in promoting environmental and cultural sustainability.
- Used Python to create algorithms from scratch to scrape data from online sources, analyze sentiment and topic diversity within pieces of text, and capture quantitative representations of raw semantic data.
- Used HTML, CSS, and JavaScript to connect algorithms to a front-end user interface.

Vanderbilt University Computer Science Dept. — January 2017 – May 2017
Teaching Assistant

- Analyzed and corrected assignments and code submitted by 94 students in Computer Organization. Held office hours to address students' questions and concerns.
- Course taught in ARM Assembly.

Achievements

KICC National Champion — February 2017

- After winning the Vanderbilt University campus competition and the North Atlantic regional competition, placed 1st in the national round of KPMG's International Case Competition out of 42 universities nationally.
- Synthesized solutions to business problems, prepared slide decks, and gave 20-minute presentations all within three-hour timeframes.

Independent Projects

Concept Search – Created a search algorithm that contextualizes a given query to provide refined results. Used Python.
Titanic Classifier – Created logistic classifier to predict whether a passenger survived, given passenger characteristics, including gender and fare. Used MATLAB.
Handwriting Recognition – Wrote neural network classifier to read handwritten numbers. Used MATLAB.

Technical Skills

Proficient: Python | C++ | C | ARM Assembly | SQLite; Familiar: Java | MATLAB | UNIX | HTML | CSS | JS